




# FCC Radio Test Report

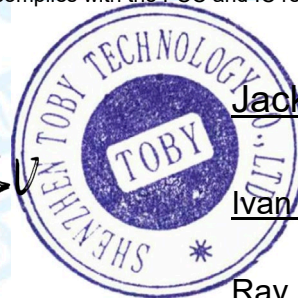
## FCC ID: 2AAH9-3700

### Original Grant

Report No. : TB-FCC180401  
Applicant : Navori Inc.  
Equipment Under Test (EUT)  
EUT Name : StiX  
Model No. : 3700  
Brand Name : Navori  
Sample ID : TBBJ-20210325-18\_01-1#&20210325-18\_01-2#  
Receipt Date : 2021-05-14  
Test Date : 2021-05-14 to 2021-06-28  
Issue Date : 2021-06-28  
Standards : FCC Part 15, Subpart C 15.247  
Test Method : ANSI C63.10: 2013  
Conclusions : **PASS**

In the configuration tested, the EUT complied with the standards specified above,  
The EUT technically complies with the FCC and IC requirements

Test/Witness Engineer :  Jack Deng  
Engineer Supervisor :  Ivan Su  
Engineer Manager :  Ray Lai



This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in the report.

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# 1. General Information about EUT

## 1.1 Client Information

<b>Applicant</b>	:	Navori Inc.
<b>Address</b>	:	1000 rue Sherbrooke st W,Suite 710, Montreal, QC, Canada H3A 3G4
<b>Manufacturer</b>	:	Shenzhen MicoRose Technology Co., Ltd.
<b>Address</b>	:	8B2A, Daqing Building, southeast of the intersection of Shennan Road and Guangshen Expressway, Futian District, Shenzhen,China

## 1.2 General Description of EUT (Equipment Under Test)

<b>EUT Name</b>	:	StiX
<b>Models No.</b>	:	3700
<b>Product Description</b>	Operation Frequency:	802.11b/g/n(HT20): 2412MHz~2462MHz
	Number of Channel:	802.11b/g/n(HT20):11 channels see note(3)
	RF Output Power:	802.11b: 15.844dBm 802.11g: 14.627dBm 802.11n (HT20): 13.571dBm
	Modulation Type:	802.11b: DSSS(CCK, DQPSK, DBPSK) 802.11g/n: OFDM(BPSK,QPSK,16QAM,64QAM)
	Antenna Gain:	2.0dBi RP-SMA Antenna
<b>Power Supply</b>	:	For Adapter: Input: 100-240V~ Output:5V $\overline{\text{---}}$ , 2.5A
<b>Software Version</b>	:	android 9.0
<b>Hardware Version</b>	:	V1
<b>Connecting I/O Port(S)</b>	:	Please refer to the User's Manual
<b>Remark</b>	:	The antenna gain and adapter provided by the applicant, the verified for the RF conduction test and adapter provided by TOBY test lab.

### Note:

- (1) This Test Report is FCC Part 15.247 for 802.11b/g/n, the test procedure follows the FCC KDB 558074 D01 DTS Meas Guidance v05.
- (2) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

(3) Channel List:

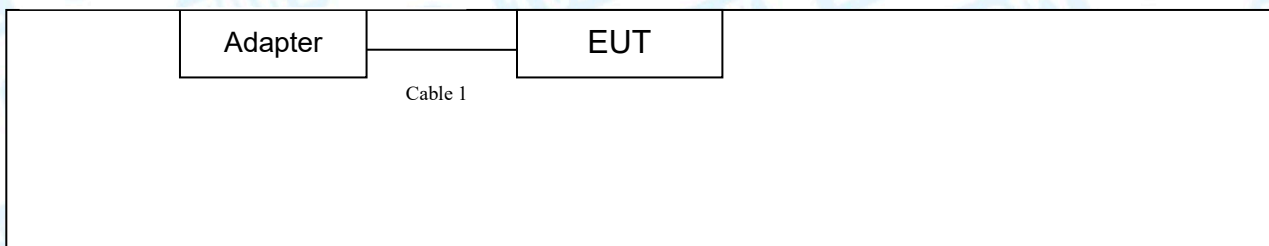
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	05	2432	09	2452
02	2417	06	2437	10	2457
03	2422	07	2442	11	2462
04	2427	08	2447		

Note: CH 01~CH 11 for 802.11b/g/n(HT20)  
CH 03~CH 9 for 802.11n(HT40)

(4) The Antenna information about the equipment is provided by the applicant.

1.3 Block Diagram Showing the Configuration of System Tested

Charging Mode+TX mode



1.4 Description of Support Units

Equipment Information				
Name	Model	FCC ID/VOC	Manufacturer	Used “√”
DELL	U2720QM	----	Dell (China) Co., Ltd	√
Cable Information				
Number	Shielded Type	Ferrite Core	Length	Note
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## 1.5 Description of Test Mode

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned follow was evaluated respectively.

For Conducted Test	
Final Test Mode	Description
Mode 1	Charging + TX B Mode

For Radiated Test	
Final Test Mode	Description
Mode 2	TX Mode B Mode Channel 01/06/11
Mode 3	TX Mode G Mode Channel 01/06/11
Mode 4	TX Mode N(HT20) Mode Channel 01/06/11

**Note:**

- (1) For all test, we have verified the construction and function in typical operation. And all the test modes were carried out with the EUT in transmitting operation in maximum power with all kinds of data rate.

According to ANSI C63.10 standards, the measurements are performed at the highest, Middle, lowest available channels, and the worst case data rate as follows:

- 802.11b Mode: CCK (1 Mbps)
- 802.11g Mode: OFDM (6 Mbps)
- 802.11n (HT20) Mode: MCS 0 (6.5 Mbps)

- (2) During the testing procedure, the continuously transmitting with the maximum power mode was programmed by the customer.
- (3) The EUT is portable unit; in normal use it was positioned on X-plane. The worst case was found positioned on X-plane. Therefore only the test data of this X-plane was used for radiated emission measurement test.

## 1.6 Description of Test Software Setting

During testing channel&Power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters of WLAN.

Test Software Version	LaunchEngmode		
	Channel	CH 01	CH 06
IEEE 802.11b DSSS	15	15	15
IEEE 802.11g OFDM	17	17	17
IEEE 802.11n (HT20)	17	17	17
<b>Test Software Version</b>	<b>n/a</b>		

## 1.7 Measurement Uncertainty

The reported uncertainty of measurement  $y \pm U$ , where expended uncertainty  $U$  is based on a standard uncertainty multiplied by a coverage factor of  $k=2$ , providing a level of confidence of approximately 95 %.

Test Item	Parameters	Expanded Uncertainty ( $U_{Lab}$ )
Conducted Emission	Level Accuracy: 9kHz~150kHz 150kHz to 30MHz	$\pm 3.50$ dB $\pm 3.10$ dB
Radiated Emission	Level Accuracy: 9kHz to 30 MHz	$\pm 4.60$ dB
Radiated Emission	Level Accuracy: 30MHz to 1000 MHz	$\pm 4.50$ dB
Radiated Emission	Level Accuracy: Above 1000MHz	$\pm 4.20$ dB

## 1.8 Test Facility

The testing report were performed by the Shenzhen Toby Technology Co., Ltd., in their facilities located at 1A/F., Bldg.6, Yusheng Industrial Zone, The National Road No.107 Xixiang Section 467, Xixiang, Bao'an, Shenzhen, Guangdong, China. At the time of testing, the following bodies accredited the Laboratory:

### **CNAS (L5813)**

The Laboratory has been accredited by CNAS to ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories for the competence in the field of testing. And the Registration No.: CNAS L5813.

### **A2LA Certificate No.: 4750.01**

The laboratory has been accredited by American Association for Laboratory Accreditation(A2LA) to ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories for the technical competence in the field of Electrical Testing. And the A2LA Certificate No.: 4750.01. FCC Accredited Test Site Number: 854351.Designation Number:CN1223

### **IC Registration No.: (11950A)**

The Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing. The site registration: Site# 11950A.

## 2. Test Summary

FCC Part 15 Subpart C(15.247)/RSS 247 Issue 2					
Standard Section		Test Item	Test Sample(s)	Judgment	Remark
FCC	IC				
15.203		Antenna Requirement	TBBJ-20210325-18_01-1#	PASS	N/A
15.207(a)	RSS-GEN 7.2.4	Conducted Emission	TBBJ-20210325-18_01-2#	PASS	N/A
15.205&15.247(d)	RSS-GEN 7.2.2	Band-Edge & Unwanted Emissions into Restricted Frequency	TBBJ-20210325-18_01-1#	PASS	N/A
15.247(a)(2)	RSS 247 5.2 (1)	6dB Bandwidth	TBBJ-20210325-18_01-1#	PASS	N/A
15.247(b)(3)	RSS 247 5.4 (4)	Conducted Max Output Power	TBBJ-20210325-18_01-1#	PASS	N/A
15.247(e)	RSS 247 5.2 (2)	Power Spectral Density	TBBJ-20210325-18_01-1#	PASS	N/A
15.205, 15.209&15.247(d)	RSS 247 5.5	Transmitter Radiated Spurious & Unwanted Emissions into Restricted Frequency	TBBJ-20210325-18_01-1# TBBJ-20210325-18_01-2#	PASS	N/A

**Note:** N/A is an abbreviation for Not Applicable.

## 3. Test Software

Test Item	Test Software	Manufacturer	Version No.
Conducted Emission	EZ-EMC	EZ	CDI-03A2
Radiation Emission	EZ-EMC	EZ	FA-03A2RE

## 4. Test Equipment

Conducted Emission Test					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
EMI Test Receiver	Rohde & Schwarz	ESCI	100321	Jul. 06, 2020	Jul. 05, 2021
RF Switching Unit	Compliance Direction Systems Inc	RSU-A4	34403	Jul. 06, 2020	Jul. 05, 2021
AMN	SCHWARZBECK	NNBL 8226-2	8226-2/164	Jul. 06, 2020	Jul. 05, 2021
LISN	Rohde & Schwarz	ENV216	101131	Jul. 06, 2020	Jul. 05, 2021
Radiation Emission Test					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jul. 06, 2020	Jul. 05, 2021
EMI Test Receiver	Rohde & Schwarz	ESPI	100010/007	Jul. 06, 2020	Jul. 05, 2021
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102197	Jul. 06, 2020	Jul. 05, 2021
Bilog Antenna	ETS-LINDGREN	3142E	00117537	Mar.01, 2020	Feb. 28, 2022
Horn Antenna	ETS-LINDGREN	3117	00143207	Mar.01, 2020	Feb. 28, 2022
Horn Antenna	ETS-LINDGREN	BBHA 9170	BBHA9170582	Mar.01, 2020	Feb. 28, 2022
Loop Antenna	SCHWARZBECK	FMZB 1519 B	1519B-059	Jul. 07, 2020	Jul. 06, 2021
Pre-amplifier	Sonoma	310N	185903	Feb.25, 2021	Feb. 24, 2022
Pre-amplifier	HP	8449B	3008A00849	Feb.25, 2021	Feb. 24, 2022
Pre-amplifier	SKET	LNPA_1840G-50	SK201904032	Feb.25, 2021	Feb. 24, 2022
Cable	HUBER+SUHNER	100	SUCOFLEX	Feb.25, 2021	Feb. 24, 2022
Positioning Controller	ETS-LINDGREN	2090	N/A	N/A	N/A
Antenna Conducted Emission					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jul. 06, 2020	Jul. 05, 2021
Spectrum Analyzer	Rohde & Schwarz	ESPI	100010/007	Jul. 06, 2020	Jul. 05, 2021
MXA Signal Analyzer	Agilent	N9020A	MY49100060	Sep. 11, 2020	Sep. 10, 2021
Vector Signal Generator	Agilent	N5182A	MY50141294	Sep. 11, 2020	Sep. 10, 2021
Analog Signal Generator	Agilent	N5181A	MY50141953	Sep. 11, 2020	Sep. 10, 2021
RF Power Sensor	DARE!! Instruments	RadiPowerRPR3006W	17100015SNO26	Sep. 11, 2020	Sep. 10, 2021
	DARE!! Instruments	RadiPowerRPR3006W	17100015SNO29	Sep. 11, 2020	Sep. 10, 2021
	DARE!! Instruments	RadiPowerRPR3006W	17100015SNO31	Sep. 11, 2020	Sep. 10, 2021
	DARE!! Instruments	RadiPowerRPR3006W	17100015SNO33	Sep. 11, 2020	Sep. 10, 2021

## 5. Conducted Emission Test

### 5.1 Test Standard and Limit

5.1.1 Test Standard  
FCC Part 15.207

5.1.2 Test Limit

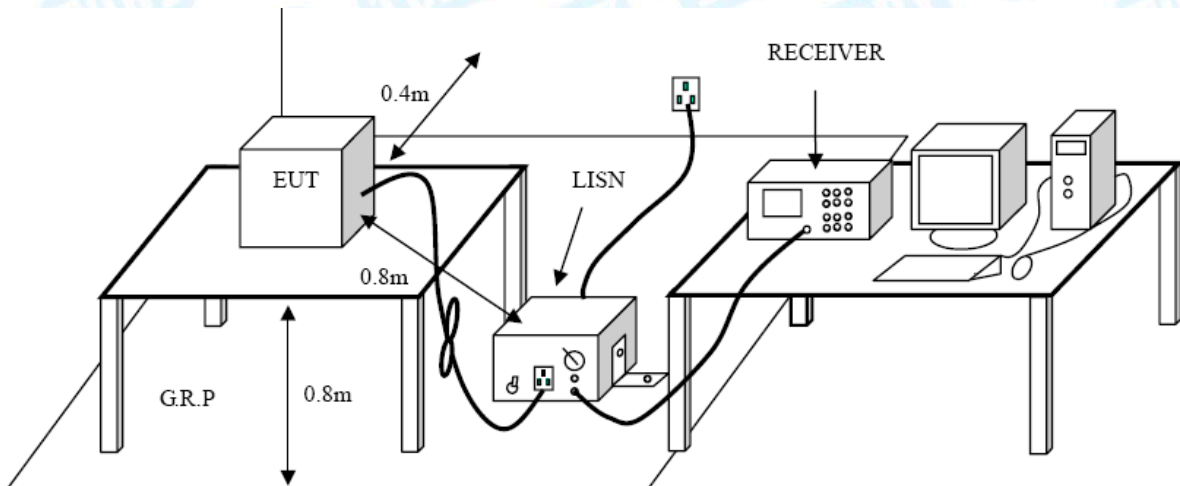
**Conducted Emission Test Limit**

Frequency	Maximum RF Line Voltage (dB $\mu$ V)	
	Quasi-peak Level	Average Level
150kHz~500kHz	66 ~ 56 *	56 ~ 46 *
500kHz~5MHz	56	46
5MHz~30MHz	60	50

Notes:

- (1) \*Decreasing linearly with logarithm of the frequency.
- (2) The lower limit shall apply at the transition frequencies.
- (3) The limit decrease in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

### 5.2 Test Setup



### 5.3 Test Procedure

The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/50uH of coupling impedance for the measuring instrument.

Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.

I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.

LISN at least 80 cm from nearest part of EUT chassis.

The bandwidth of EMI test receiver is set at 9kHz, and the test frequency band is from 0.15MHz to 30MHz.

### 5.4 Deviation From Test Standard

No deviation

### 5.5 EUT Operating Mode

Please refer to the description of test mode.

### 5.6 Test Data

Please refer to the Attachment A.

## 6. Radiated Emission Test

### 6.1 Test Standard and Limit

- 6.1.1 Test Standard  
FCC Part 15.209
- 6.1.2 Test Limit

#### Radiated Emission Limits ( 9 kHz~1000 MHz)

Frequency (MHz)	Field Strength (microvolt/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

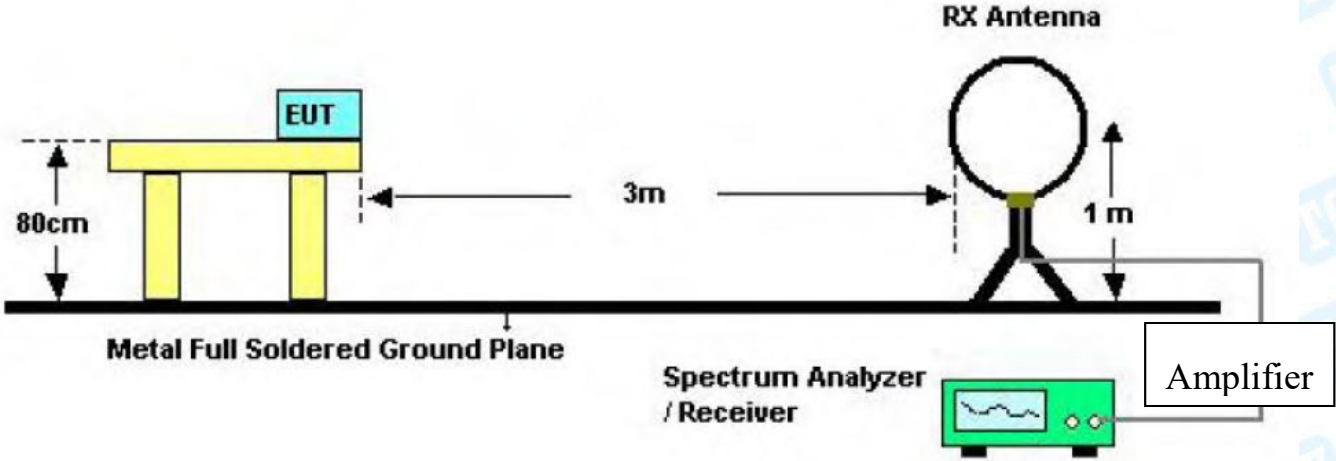
#### Radiated Emission Limit (Above 1000MHz)

Frequency (MHz)	Distance of 3m (dBuV/m)	
	Peak	Average
Above 1000	74	54

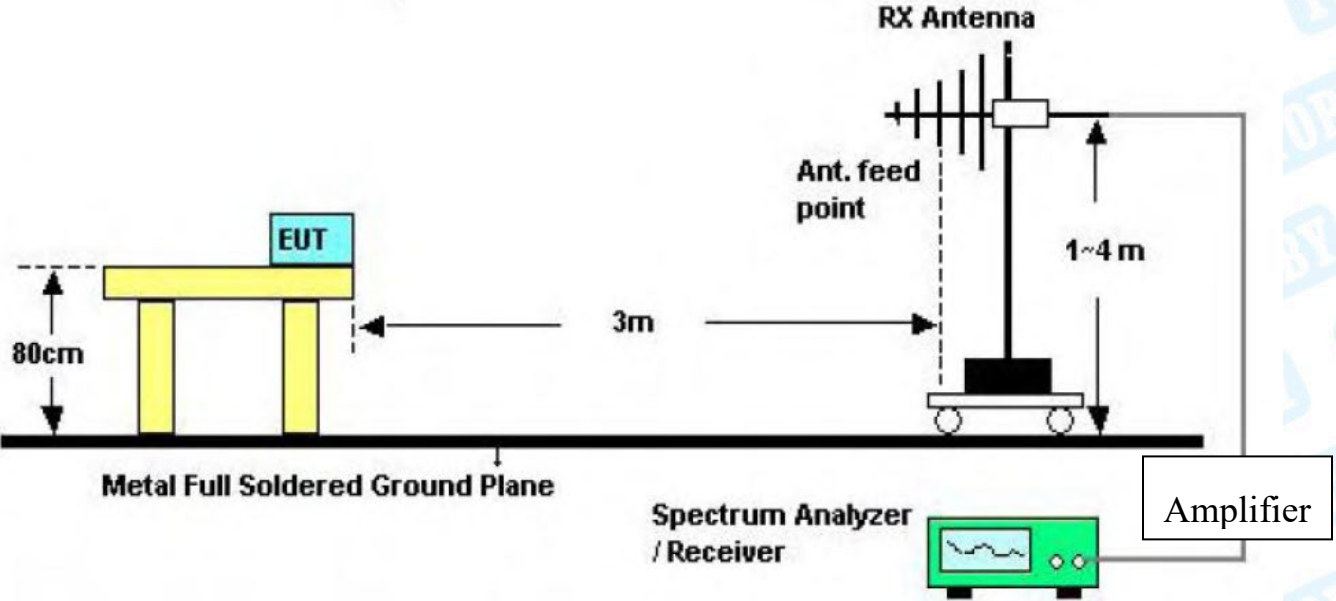
**Note:**

- (1) The tighter limit applies at the band edges.
- (2) Emission Level(dBuV/m)=20log Emission Level(uV/m)

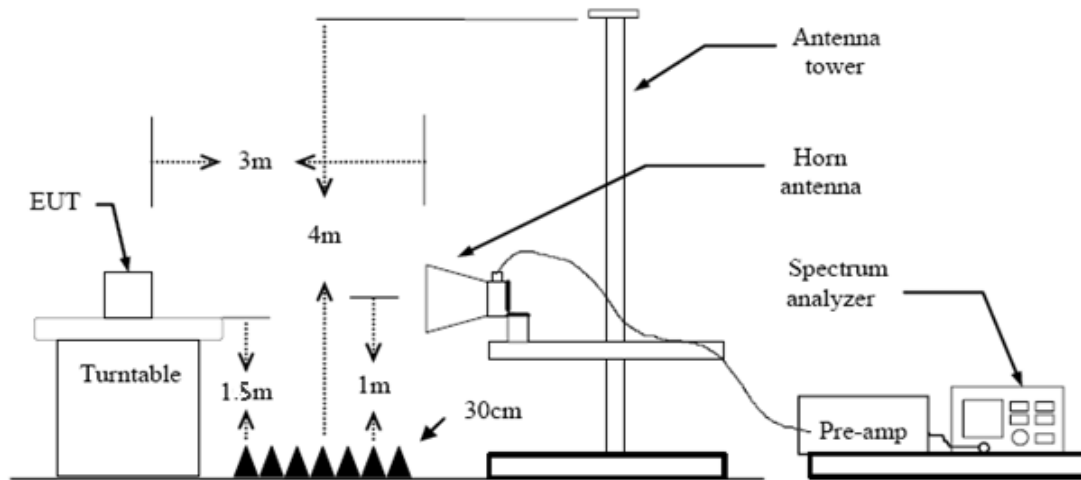
6.2 Test Setup



Below 30MHz Test Setup



Below 1000MHz Test Setup



Above 1GHz Test Setup

### 6.3 Test Procedure

- (1) Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.
- (2) Measurements at frequency Below 1GHz. The EUT was placed on a rotating 0.8m high above the ground. The table was rotated 360 degrees to determine the position of the highest radiation.
- (3) The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.
- (4) The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- (5) If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit Bellow 1 GHz, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed. But the Peak Value and average value both need to comply with applicable limit above 1 GHz.
- (6) Testing frequency range below 1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection.
- (7) Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.
- (8) For the actual test configuration, please see the test setup photo.

#### 6.4 Deviation From Test Standard

No deviation

#### 6.5 EUT Operating Condition

The Equipment Under Test was set to Continual Transmitting in maximum power.

#### 6.6 Test Data

Remark: During testing above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.

Please refer to the Attachment B.

## 7. Restricted Bands Requirement

### 7.1 Test Standard and Limit

#### 7.1.1 Test Standard

FCC Part 15.247(d)

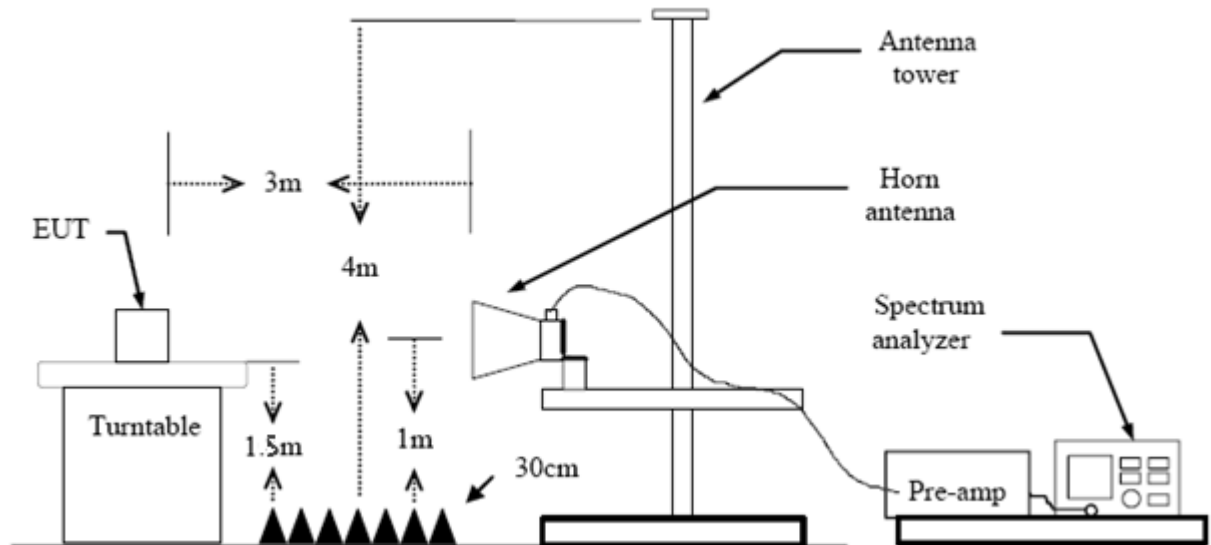
FCC Part 15.209

FCC Part 15.205

#### 7.1.2 Test Limit

Restricted Frequency Band (MHz)	Distance of 3m (dBuV/m)	
	Peak	Average
2310 ~2390	74	54
2483.5 ~2500	74	54

### 7.2 Test Setup



### 7.3 Test Procedure

#### ---Radiated measurement

- Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.
- The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.
- The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- The Peak Value and average value both need to comply with applicable limit above 1 GHz.
- Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.
- For the actual test configuration, please see the test setup photo.

#### --- Conducted measurement

- a) Measure the conducted output power (in dBm) using the detector specified by the appropriate regulatory agency (see 11.12.2.3 through 11.12.2.5 for guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).
- b) Add the maximum transmit antenna gain (in dBi) to the measured output power level to determine the EIRP (see 11.12.2.6 for guidance on determining the applicable antenna gain).
- c) Add the appropriate maximum ground reflection factor to the EIRP (6 dB for frequencies  $\leq 30$  MHz; 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive; and 0 dB for frequencies  $> 1000$  MHz).
- d) For MIMO devices, measure the power of each chain and sum the EIRP of all chains in linear terms (i.e., watts and mW).
- e) Convert the resultant EIRP to an equivalent electric field strength using the following relationship:  
$$E = \text{EIRP} - 20 \log d + 104.8$$
where  
E is the electric field strength in dBuV/m  
EIRP is the equivalent isotropically radiated power in dBm  
d is the specified measurement distance in m
- f) Compare the resultant electric field strength level with the applicable regulatory limit.
- g) Perform the radiated spurious emission test.

#### 7.4 Deviation From Test Standard

No deviation

#### 7.5 EUT Operating Condition

The Equipment Under Test was set to Continual Transmitting in maximum power.

#### 7.6 Test Data

Please refer to the Attachment C.

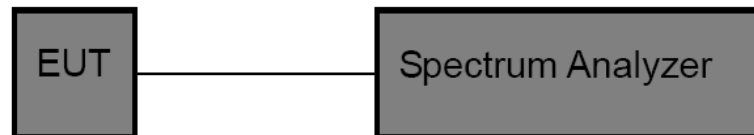
## 8. Bandwidth Test

### 8.1 Test Standard and Limit

- 8.1.1 Test Standard  
FCC Part 15.247 (a)(2)
- 8.1.2 Test Limit

FCC Part 15 Subpart C(15.247)/RSS-210		
Test Item	Limit	Frequency Range(MHz)
Bandwidth	$\geq 500$ KHz (6dB bandwidth)	2400~2483.5

### 8.2 Test Setup



### 8.3 Test Procedure

- (1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
- (2) The bandwidth is measured at an amplitude level reduced 6dB from the reference level. The reference level is the level of the highest amplitude signal observed from the transmitter at the fundamental frequency. Once the reference level is established, the equipment is conditioned with typical modulating signal to produce the worst –case (i.e the widest) bandwidth.
- (3) Measure the channel separation the spectrum analyzer was set to Resolution Bandwidth:100 kHz, and Video Bandwidth:300 kHz, Detector: Peak, Sweep Time set auto.

### 8.4 Deviation From Test Standard

No deviation

### 8.5 EUT Operating Condition

The EUT was set to continuously transmitting in each mode and low, Middle and high channel for the test.

### 8.6 Test Data

Please refer to the Attachment D.

## 9. Peak Output Power Test

### 9.1 Test Standard and Limit

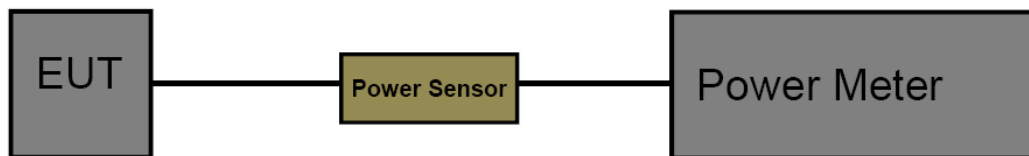
#### 9.1.1 Test Standard

FCC Part 15.247 (b)

#### 9.1.2 Test Limit

FCC Part 15 Subpart C(15.247)/RSS-210		
Test Item	Limit	Frequency Range(MHz)
Peak Output Power	1 Watt or 30 dBm	2400~2483.5

### 9.2 Test Setup



### 9.3 Test Procedure

The measurement is according to section 9.1.2 of KDB 558074 D01 DTS Meas Guidance v05. The EUT was connected to RF power meter via a broadband power sensor as show the block above. The power sensor video bandwidth is greater than or equal to the DTS bandwidth of the equipment.

### 9.4 Deviation From Test Standard

No deviation

### 9.5 EUT Operating Condition

The EUT was set to continuously transmitting in the max power during the test.

### 9.6 Test Data

Please refer to the Attachment E.

## 10. Power Spectral Density Test

### 10.1 Test Standard and Limit

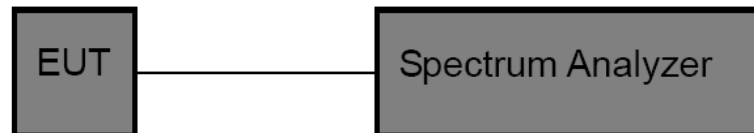
#### 10.1.1 Test Standard

FCC Part 15.247 (e)

#### 10.1.2 Test Limit

FCC Part 15 Subpart C(15.247)		
Test Item	Limit	Frequency Range(MHz)
Power Spectral Density	8dBm(in any 3 kHz)	2400~2483.5

### 10.2 Test Setup



### 10.3 Test Procedure

The EUT was directly connected to the Spectrum Analyzer and antenna output port as show in the block diagram above. The measurement according to section 10.2 of KDB 558074 D01 DTS Meas Guidance v05.

- (1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
- (2) Set analyser centre frequency to DTS channel centre frequency.
- (3) Set the span to 1.5 times the DTS bandwidth.
- (4) Set the RBW to: 3 kHz
- (5) Set the VBW to: 10 kHz
- (6) Detector: peak
- (7) Sweep time: auto
- (8) Allow trace to fully stabilize. Then use the peak marker function to determine the maximum amplitude level.

### 9.4 Deviation From Test Standard

No deviation

### 9.5 EUT Operating Condition

The EUT was set to continuously transmitting in each mode and low, Middle and high channel for the test.

### 9.6 Test Data

Please refer to the Attachment F.

## 11. Antenna Requirement

### 11.1 Standard Requirement

#### 11.1.1 Standard

FCC Part 15.203

#### 11.1.2 Requirement

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

### 11.2 Deviation From Test Standard

No deviation

### 11.3 Antenna Connected Construction

The gains of the antenna used for transmitting is 1.15dBi, and the antenna de-signed with permanent attachment and no consideration of replacement. Please see the EUT photo for details.

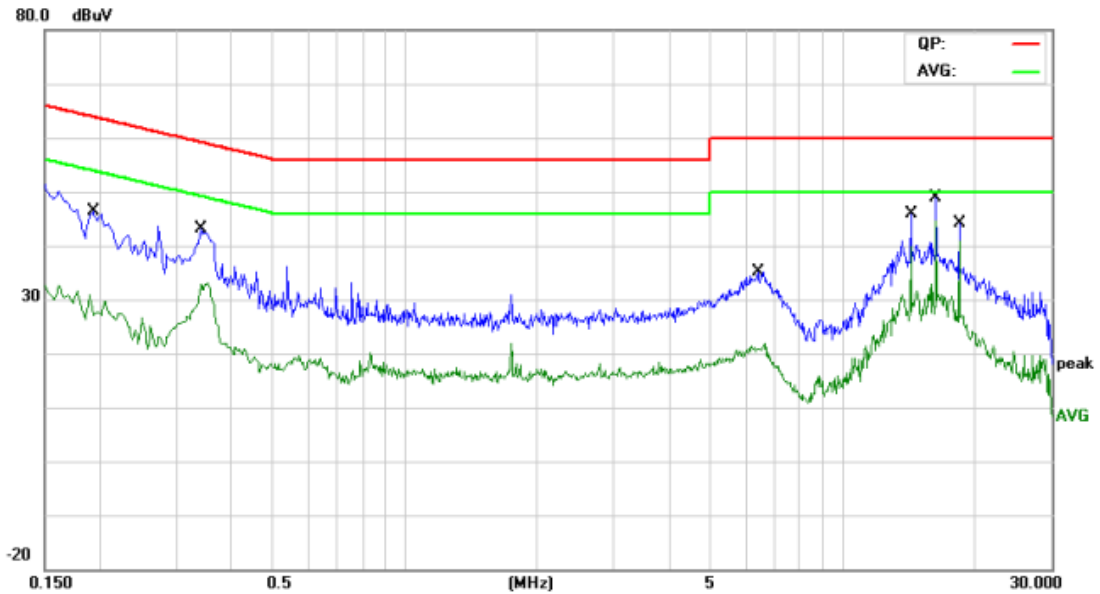
#### Result

The EUT antenna is a RP-SMA Antenna. It complies with the standard requirement.

Antenna Type
<input type="checkbox"/> Permanent attached antenna
<input checked="" type="checkbox"/> Unique connector antenna
<input type="checkbox"/> Professional installation antenna

## Attachment A-- Conducted Emission Test Data

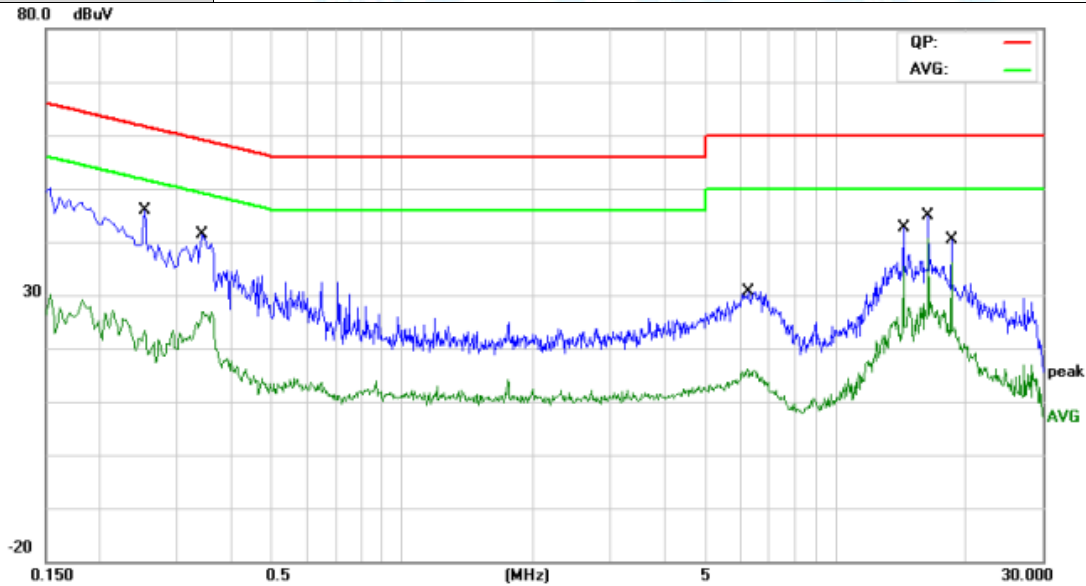
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz		
Terminal:	Line		
Test Mode:	Charging with TX B Mode		
Remark:	Only worse case is reported		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1		0.1940	32.02	9.70	41.72	63.86	-22.14	QP
2		0.1940	16.99	9.70	26.69	53.86	-27.17	AVG
3		0.3420	30.00	9.70	39.70	59.15	-19.45	QP
4		0.3420	21.76	9.70	31.46	49.15	-17.69	AVG
5		6.4180	19.65	9.83	29.48	60.00	-30.52	QP
6		6.4180	10.34	9.83	20.17	50.00	-29.83	AVG
7		14.3380	33.76	9.97	43.73	60.00	-16.27	QP
8		14.3380	28.78	9.97	38.75	50.00	-11.25	AVG
9		16.3860	36.69	10.00	46.69	60.00	-13.31	QP
10	*	16.3860	34.08	10.00	44.08	50.00	-5.92	AVG
11		18.4340	33.24	10.00	43.24	60.00	-16.76	QP
12		18.4340	30.57	10.00	40.57	50.00	-9.43	AVG

Emission Level= Read Level+ Correct Factor

<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Terminal:</b>	Neutral		
<b>Test Mode:</b>	Charging with TX B Mode		
<b>Remark:</b>	Only worse case is reported		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1		0.2540	26.15	9.80	35.95	61.62	-25.67	QP
2		0.2540	10.15	9.80	19.95	51.62	-31.67	AVG
3		0.3460	25.49	9.80	35.29	59.06	-23.77	QP
4		0.3460	15.97	9.80	25.77	49.06	-23.29	AVG
5		6.2540	14.12	9.86	23.98	60.00	-36.02	QP
6		6.2540	4.36	9.86	14.22	50.00	-35.78	AVG
7		14.3380	29.41	9.99	39.40	60.00	-20.60	QP
8		14.3380	23.60	9.99	33.59	50.00	-16.41	AVG
9		16.3860	33.56	10.00	43.56	60.00	-16.44	QP
10	*	16.3860	30.26	10.00	40.26	50.00	-9.74	AVG
11		18.4340	28.80	10.00	38.80	60.00	-21.20	QP
12		18.4340	26.01	10.00	36.01	50.00	-13.99	AVG

Emission Level= Read Level+ Correct Factor

## Attachment B-- Radiated Emission Test Data

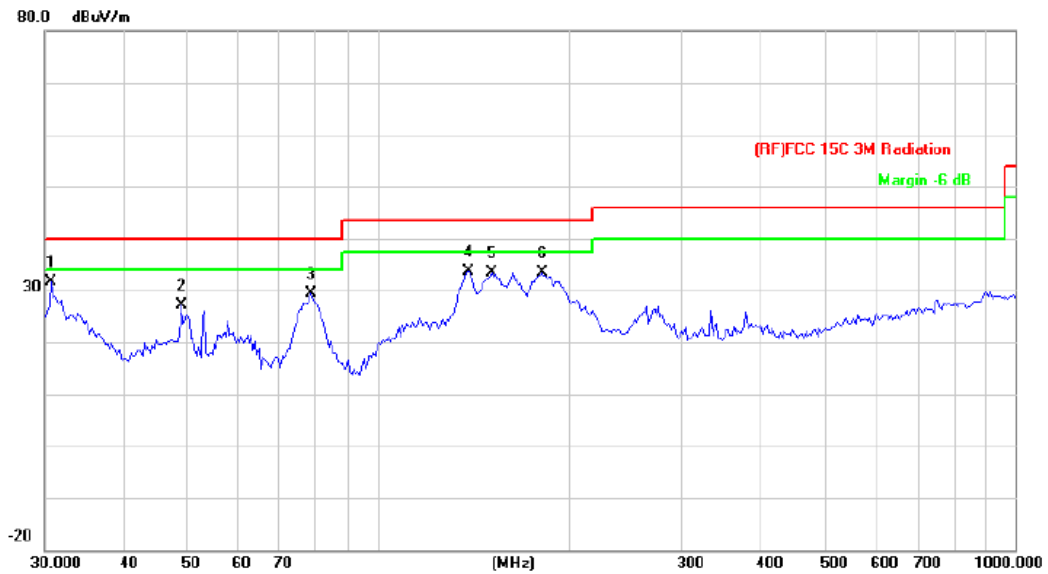
### 9KHz~30MHz

From 9KHz to 30MHz: Conclusion: PASS

Note: The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

### 30MHz~1GHz

<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX B Mode 2412MHz		
<b>Remark:</b>	Only worse case is reported		

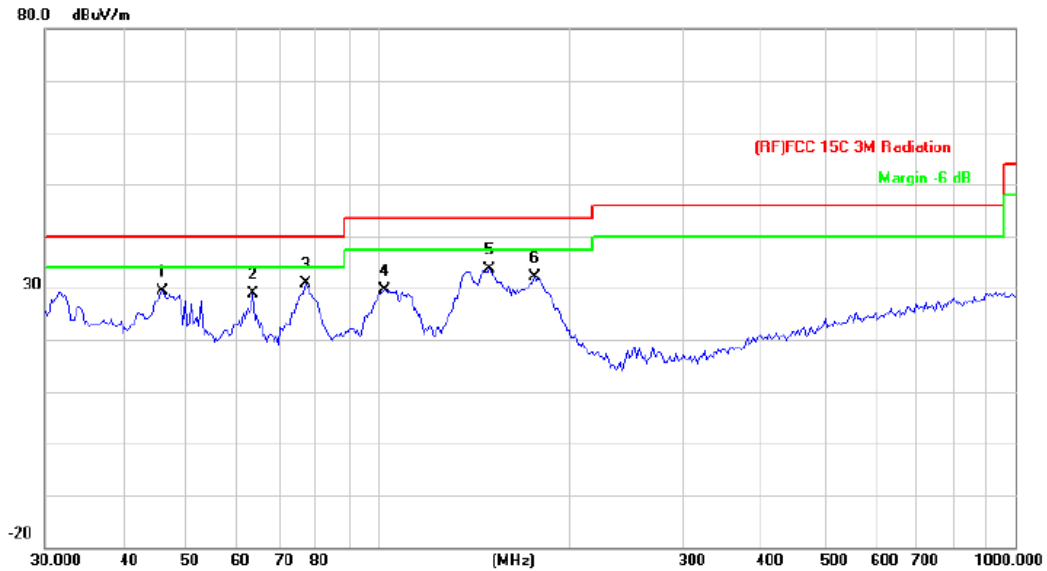


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	*	30.6377	45.09	-13.43	31.66	40.00	-8.34	QP
2		49.0144	49.75	-22.73	27.02	40.00	-12.98	QP
3		78.4133	51.89	-22.60	29.29	40.00	-10.71	QP
4		138.3873	55.88	-22.37	33.51	43.50	-9.99	QP
5		150.5378	54.59	-21.31	33.28	43.50	-10.22	QP
6		180.6486	53.37	-20.10	33.27	43.50	-10.23	QP

\*:Maximum data    x:Over limit    !:over margin

**Emission Level= Read Level+ Correct Factor**

<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX B Mode 2412MHz		
<b>Remark:</b>	Only worse case is reported		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		45.6948	50.93	-21.65	29.28	40.00	-10.72	QP
2		63.5356	52.81	-23.92	28.89	40.00	-11.11	QP
3	*	76.7806	53.70	-22.76	30.94	40.00	-9.06	QP
4		102.3597	51.71	-22.02	29.69	43.50	-13.81	QP
5		149.4857	55.00	-21.40	33.60	43.50	-9.90	QP
6		175.6516	52.48	-20.28	32.20	43.50	-11.30	QP

\*:Maximum data    x:Over limit    !:over margin

**Emission Level= Read Level+ Correct Factor**

**Above 1GHz**

<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX B Mode 2412MHz		
<b>Remark:</b>	No report for the emission which more than 20 dB below the prescribed limit.		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		4823.776	42.86	13.16	56.02	74.00	-17.98	peak
2	*	4824.090	28.65	13.16	41.81	54.00	-12.19	AVG

**Emission Level= Read Level+ Correct Factor**

<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX B Mode 2412MHz		
<b>Remark:</b>	No report for the emission which more than 20 dB below the prescribed limit.		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		4823.518	41.83	13.16	54.99	74.00	-19.01	peak
2	*	4823.818	28.86	13.16	42.02	54.00	-11.98	AVG

**Emission Level= Read Level+ Correct Factor**

<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX B Mode 2437MHz		
<b>Remark:</b>	No report for the emission which more than 20 dB below the prescribed limit.		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.688	41.75	13.53	55.28	74.00	-18.72	peak
2	*	4874.484	28.82	13.53	42.35	54.00	-11.65	AVG

**Emission Level= Read Level+ Correct Factor**

<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX B Mode 2437MHz		
<b>Remark:</b>	No report for the emission which more than 20 dB below the prescribed limit.		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4874.356	42.10	13.53	55.63	74.00	-18.37	peak
2	*	4874.356	28.36	13.53	41.89	54.00	-12.11	AVG

**Emission Level= Read Level+ Correct Factor**

<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX B Mode 2462MHz		
<b>Remark:</b>	No report for the emission which more than 20 dB below the prescribed limit.		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4923.584	29.12	13.89	43.01	54.00	-10.99	AVG
2		4924.444	43.23	13.89	57.12	74.00	-16.88	peak

**Emission Level= Read Level+ Correct Factor**

<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX B Mode 2462MHz		
<b>Remark:</b>	No report for the emission which more than 20 dB below the prescribed limit.		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4923.756	29.39	13.89	43.28	54.00	-10.72	AVG
2		4924.088	42.97	13.89	56.86	74.00	-17.14	peak

**Emission Level= Read Level+ Correct Factor**

<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX G Mode 2412MHz		
<b>Remark:</b>	No report for the emission which more than 20 dB below the prescribed limit.		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	*	4823.996	28.56	13.16	41.72	54.00	-12.28	AVG
2		4824.372	43.27	13.16	56.43	74.00	-17.57	peak

**Emission Level= Read Level+ Correct Factor**

<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX G Mode 2412MHz		
<b>Remark:</b>	No report for the emission which more than 20 dB below the prescribed limit.		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		4823.580	42.46	13.16	55.62	74.00	-18.38	peak
2	*	4824.354	28.70	13.16	41.86	54.00	-12.14	AVG

**Emission Level= Read Level+ Correct Factor**

<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX G Mode 2437MHz		
<b>Remark:</b>	No report for the emission which more than 20 dB below the prescribed limit.		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	*	4874.014	28.63	13.53	42.16	54.00	-11.84	AVG
2		4874.298	39.44	13.53	52.97	74.00	-21.03	peak

**Emission Level= Read Level+ Correct Factor**

<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX G Mode 2437MHz		
<b>Remark:</b>	No report for the emission which more than 20 dB below the prescribed limit.		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		4873.834	42.65	13.53	56.18	74.00	-17.82	peak
2	*	4874.470	28.94	13.53	42.47	54.00	-11.53	AVG

**Emission Level= Read Level+ Correct Factor**

<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX G Mode 2462MHz		
<b>Remark:</b>	No report for the emission which more than 20 dB below the prescribed limit.		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		4924.086	42.26	13.89	56.15	74.00	-17.85	peak
2	*	4924.114	29.00	13.89	42.89	54.00	-11.11	AVG

**Emission Level= Read Level+ Correct Factor**

<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX G Mode 2462MHz		
<b>Remark:</b>	No report for the emission which more than 20 dB below the prescribed limit.		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	*	4923.664	29.14	13.89	43.03	54.00	-10.97	AVG
2		4923.790	43.34	13.89	57.23	74.00	-16.77	peak

**Emission Level= Read Level+ Correct Factor**

<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX N(HT20) Mode 2412MHz		
<b>Remark:</b>	No report for the emission which more than 20 dB below the prescribed limit.		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		4824.012	43.19	13.16	56.35	74.00	-17.65	peak
2	*	4824.106	28.52	13.16	41.68	54.00	-12.32	AVG

**Emission Level= Read Level+ Correct Factor**

<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX N(HT20) Mode 2412MHz		
<b>Remark:</b>	No report for the emission which more than 20 dB below the prescribed limit.		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		4823.762	42.64	13.16	55.80	74.00	-18.20	peak
2	*	4823.894	28.55	13.16	41.71	54.00	-12.29	AVG

**Emission Level= Read Level+ Correct Factor**

<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX N(HT20) Mode 2437MHz		
<b>Remark:</b>	No report for the emission which more than 20 dB below the prescribed limit.		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	*	4873.672	28.48	13.53	42.01	54.00	-11.99	AVG
2		4874.424	42.64	13.53	56.17	74.00	-17.83	peak

**Emission Level= Read Level+ Correct Factor**

<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX N(HT20) Mode 2437MHz		
<b>Remark:</b>	No report for the emission which more than 20 dB below the prescribed limit.		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	*	4873.828	28.31	13.53	41.84	54.00	-12.16	AVG
2		4873.968	43.03	13.53	56.56	74.00	-17.44	peak

**Emission Level= Read Level+ Correct Factor**

<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX N(HT20) Mode 2462MHz		
<b>Remark:</b>	No report for the emission which more than 20 dB below the prescribed limit.		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4924.000	42.33	13.89	56.22	74.00	-17.78	peak
2	*	4924.034	28.90	13.89	42.79	54.00	-11.21	AVG

**Emission Level= Read Level+ Correct Factor**

<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX N(HT20) Mode 2462MHz		
<b>Remark:</b>	No report for the emission which more than 20 dB below the prescribed limit.		

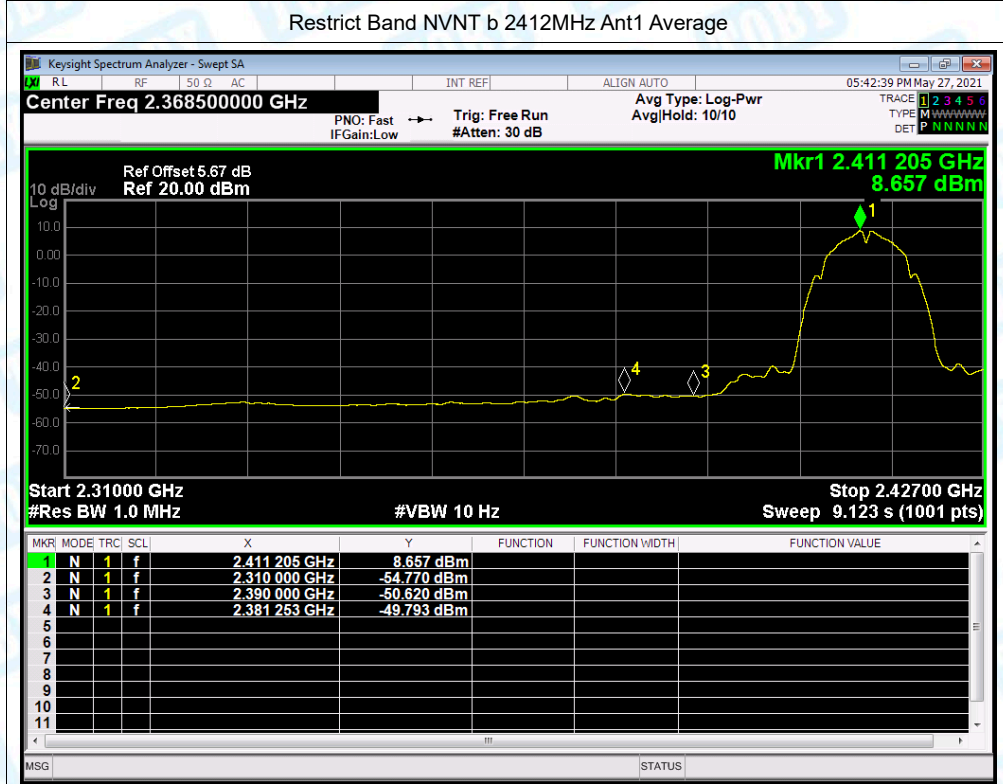
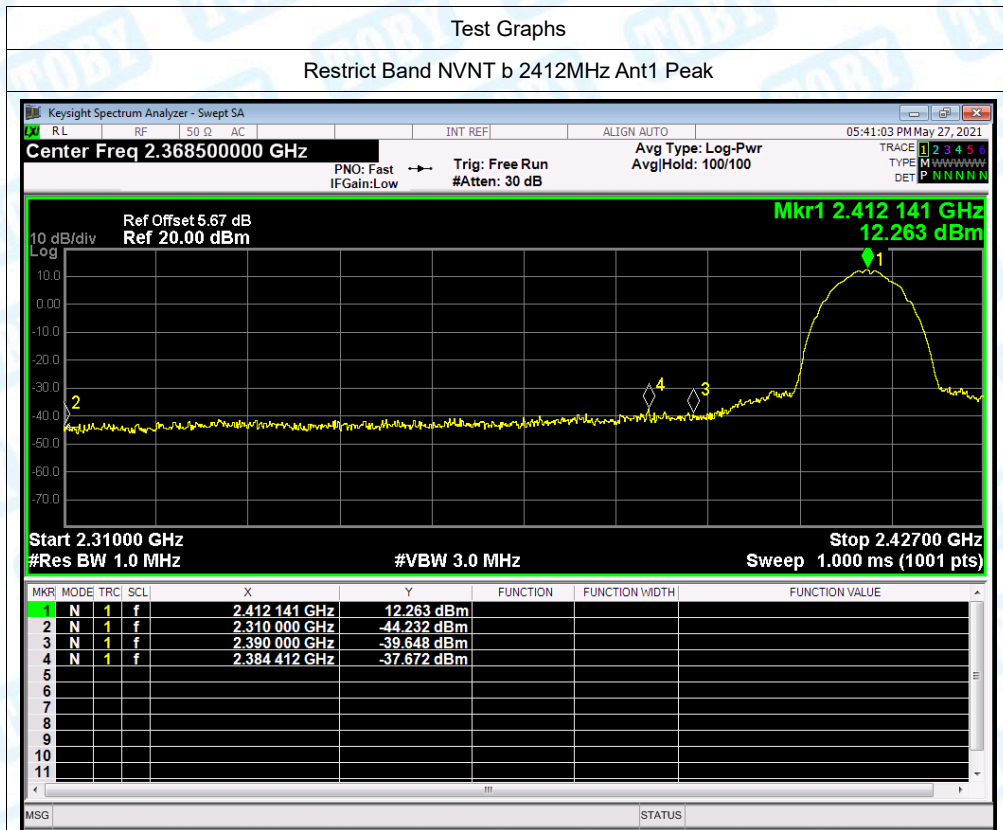
  

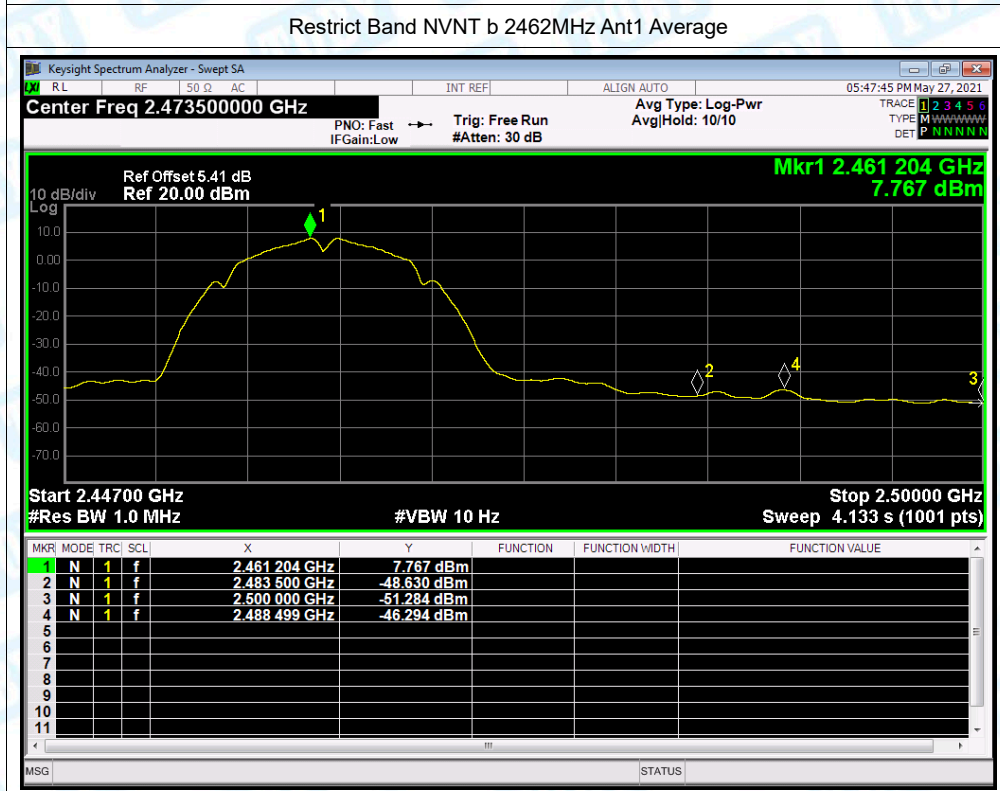
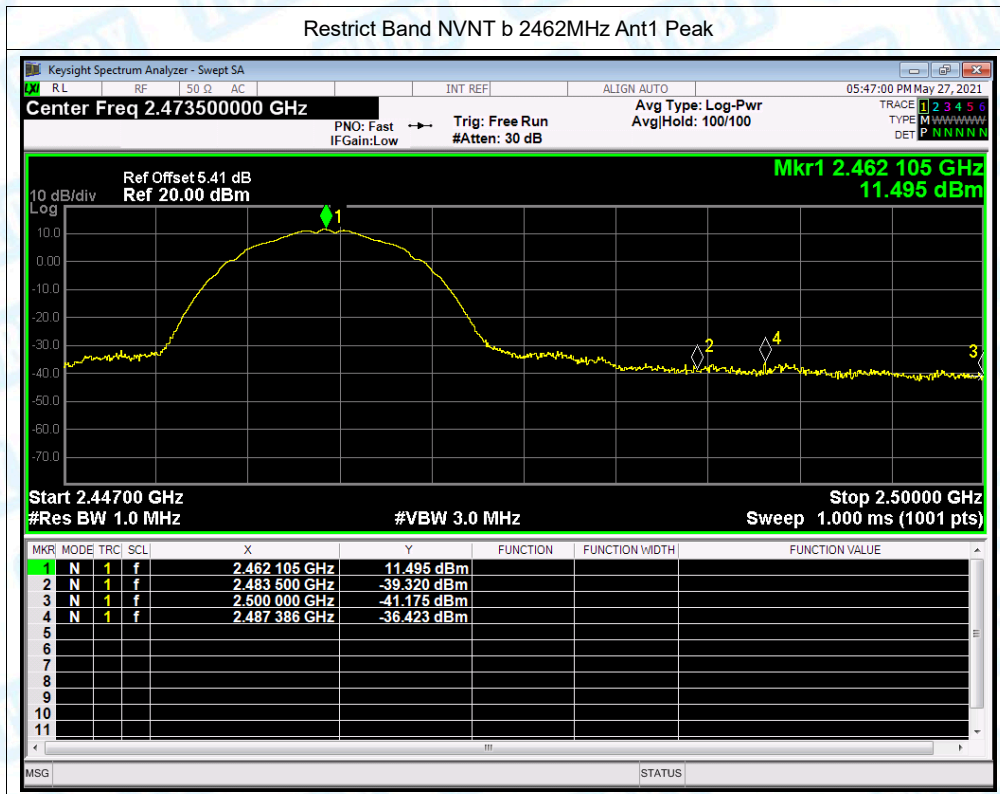
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4924.000	43.19	13.89	57.08	74.00	-16.92	peak
2	*	4924.000	28.45	13.89	42.34	54.00	-11.66	AVG

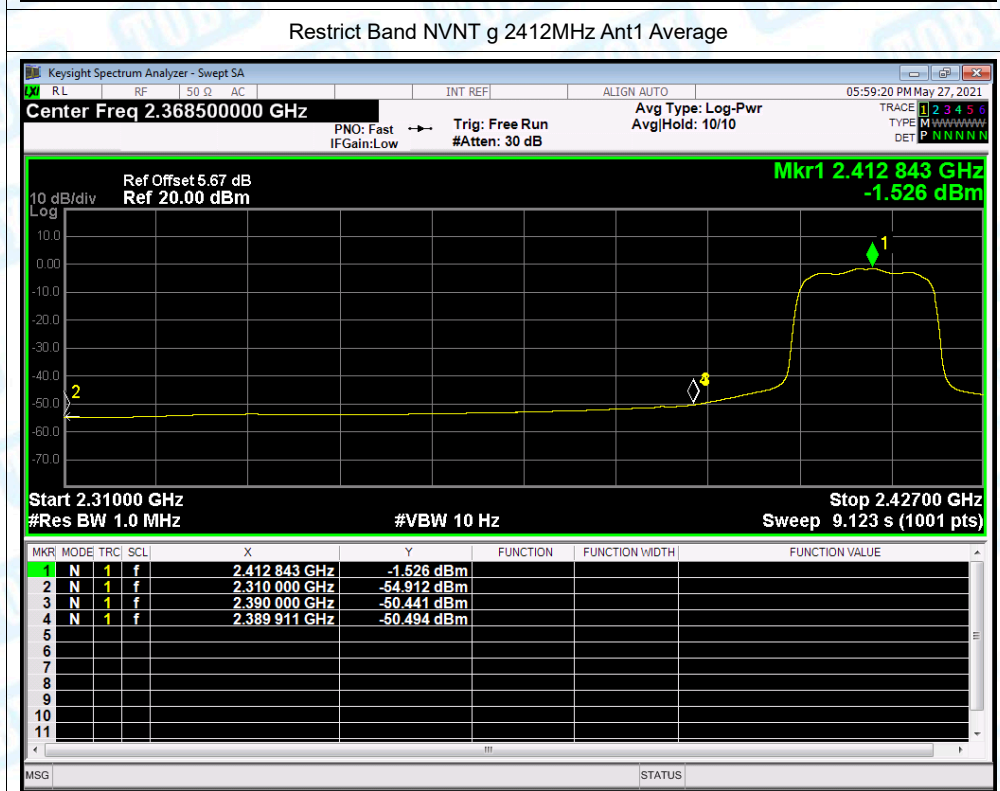
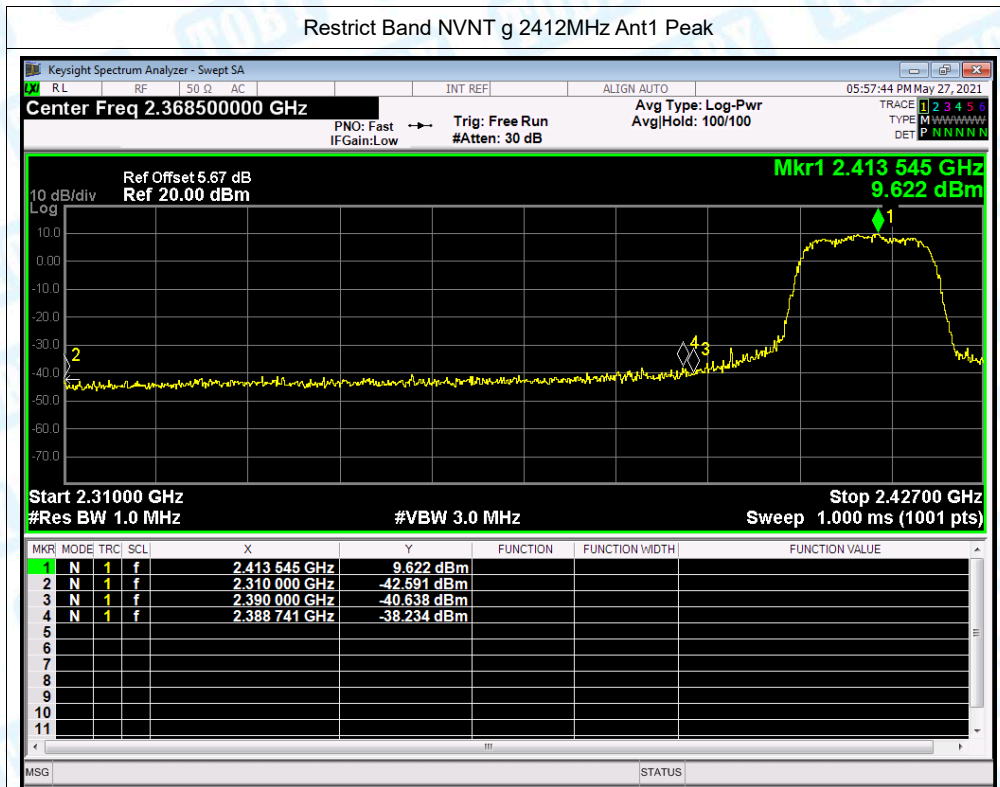
**Emission Level= Read Level+ Correct Factor**

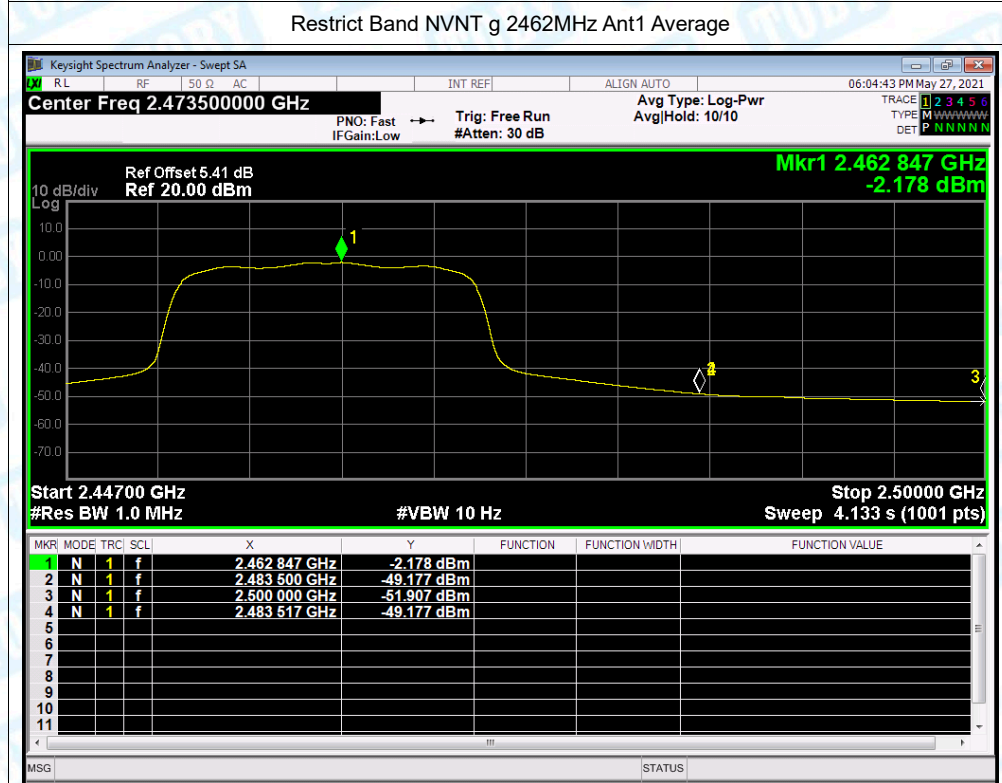
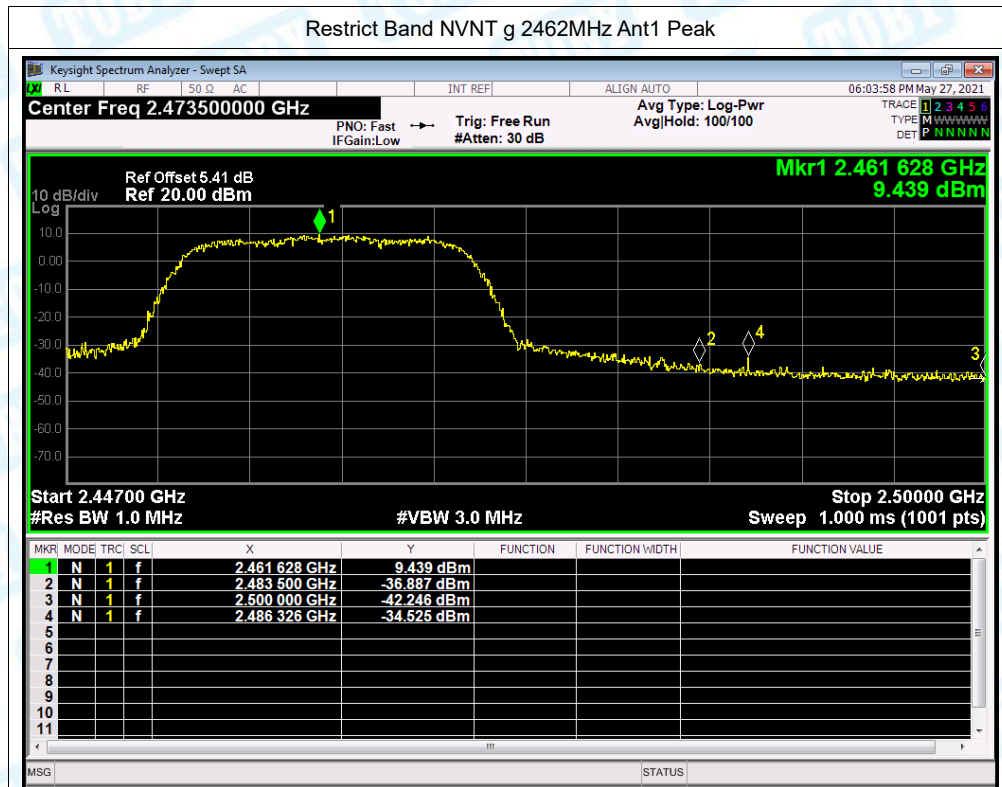
## Attachment C-- Emissions in Restricted Bands Test Data

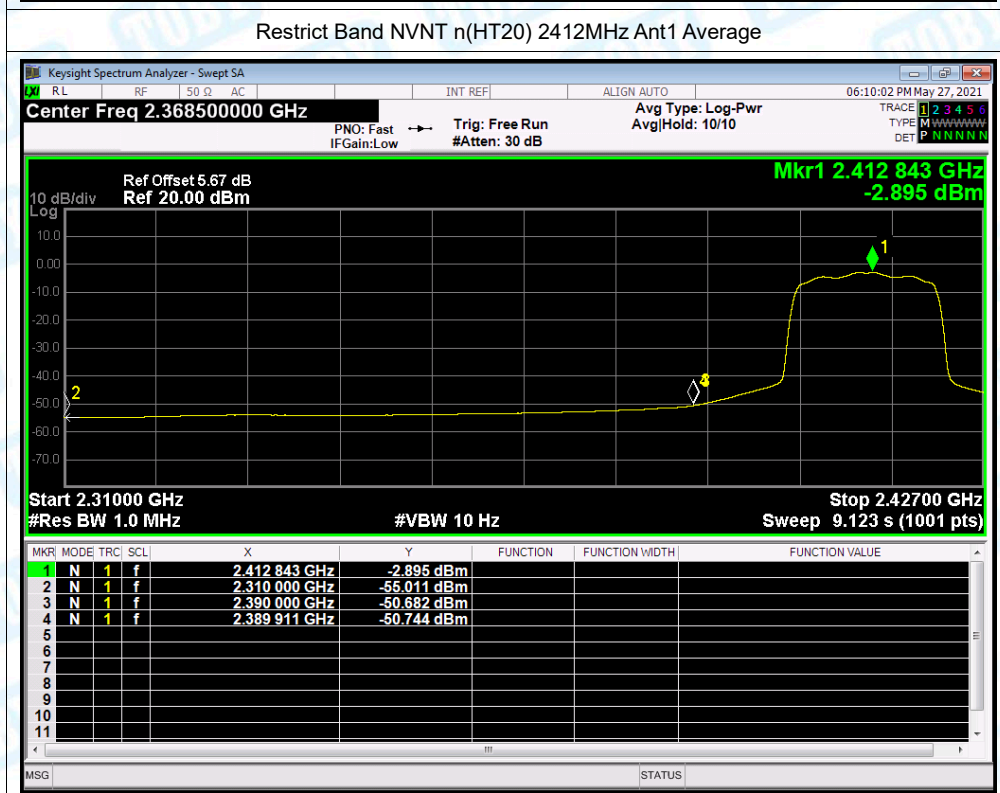
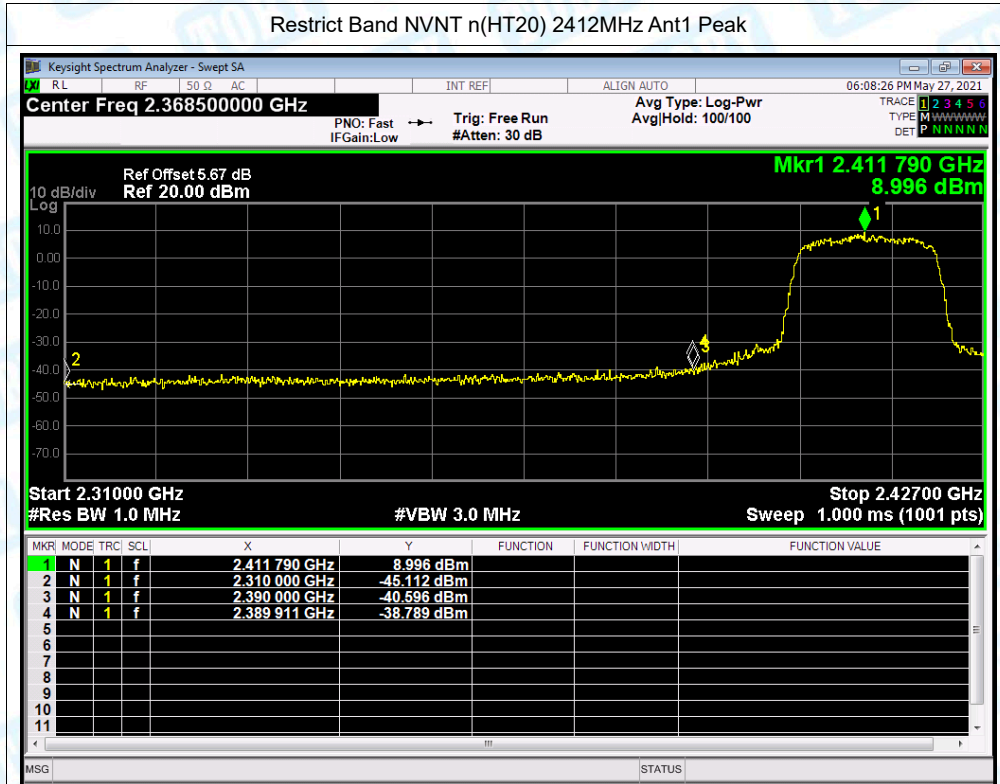
Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
b	2412	Ant1	2310	-45.4	2	51.86	Peak	74	Pass
b	2412	Ant1	2310	-54.78	2	42.48	Average	54	Pass
b	2412	Ant1	2384.412	-37.67	2	59.59	Peak	74	Pass
b	2412	Ant1	2381.253	-49.79	2	47.47	Average	54	Pass
b	2412	Ant1	2390	-39.64	2	57.62	Peak	74	Pass
b	2412	Ant1	2390	-50.62	2	46.64	Average	54	Pass
b	2462	Ant1	2483.5	-39.31	2	57.95	Peak	74	Pass
b	2462	Ant1	2483.5	-48.63	2	48.63	Average	54	Pass
b	2462	Ant1	2487.386	-36.42	2	60.84	Peak	74	Pass
b	2462	Ant1	2488.499	-46.29	2	50.97	Average	54	Pass
b	2462	Ant1	2500	-41.17	2	56.09	Peak	74	Pass
b	2462	Ant1	2500	-51.28	2	45.98	Average	54	Pass
g	2412	Ant1	2310	-43.56	2	53.7	Peak	74	Pass
g	2412	Ant1	2310	-54.96	2	42.3	Average	54	Pass
g	2412	Ant1	2388.741	-38.23	2	59.03	Peak	74	Pass
g	2412	Ant1	2389.911	-50.49	2	46.77	Average	54	Pass
g	2412	Ant1	2390	-40.63	2	56.63	Peak	74	Pass
g	2412	Ant1	2390	-50.44	2	46.82	Average	54	Pass
g	2462	Ant1	2483.5	-36.88	2	60.38	Peak	74	Pass
g	2462	Ant1	2483.5	-49.17	2	48.09	Average	54	Pass
g	2462	Ant1	2486.326	-34.52	2	62.74	Peak	74	Pass
g	2462	Ant1	2483.517	-49.17	2	48.09	Average	54	Pass
g	2462	Ant1	2500	-42.24	2	55.02	Peak	74	Pass
g	2462	Ant1	2500	-51.9	2	45.36	Average	54	Pass
n(HT20)	2412	Ant1	2310	-44.22	2	53.04	Peak	74	Pass
n(HT20)	2412	Ant1	2310	-54.97	2	42.29	Average	54	Pass
n(HT20)	2412	Ant1	2389.911	-38.78	2	58.48	Peak	74	Pass
n(HT20)	2412	Ant1	2389.911	-50.74	2	46.52	Average	54	Pass
n(HT20)	2412	Ant1	2390	-40.59	2	56.67	Peak	74	Pass
n(HT20)	2412	Ant1	2390	-50.68	2	46.58	Average	54	Pass
n(HT20)	2462	Ant1	2483.5	-37.99	2	59.27	Peak	74	Pass
n(HT20)	2462	Ant1	2483.5	-48.93	2	48.33	Average	54	Pass
n(HT20)	2462	Ant1	2484.259	-35.98	2	61.28	Peak	74	Pass
n(HT20)	2462	Ant1	2483.517	-48.93	2	48.33	Average	54	Pass
n(HT20)	2462	Ant1	2500	-42.13	2	55.13	Peak	74	Pass
n(HT20)	2462	Ant1	2500	-52.4	2	44.86	Average	54	Pass

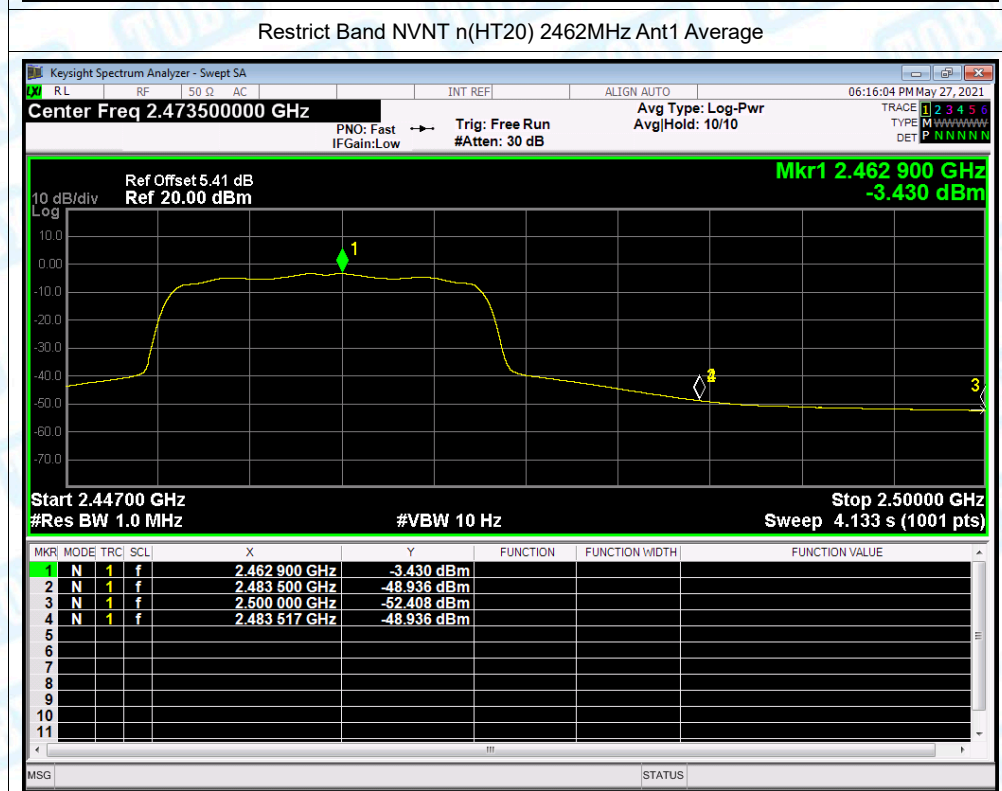
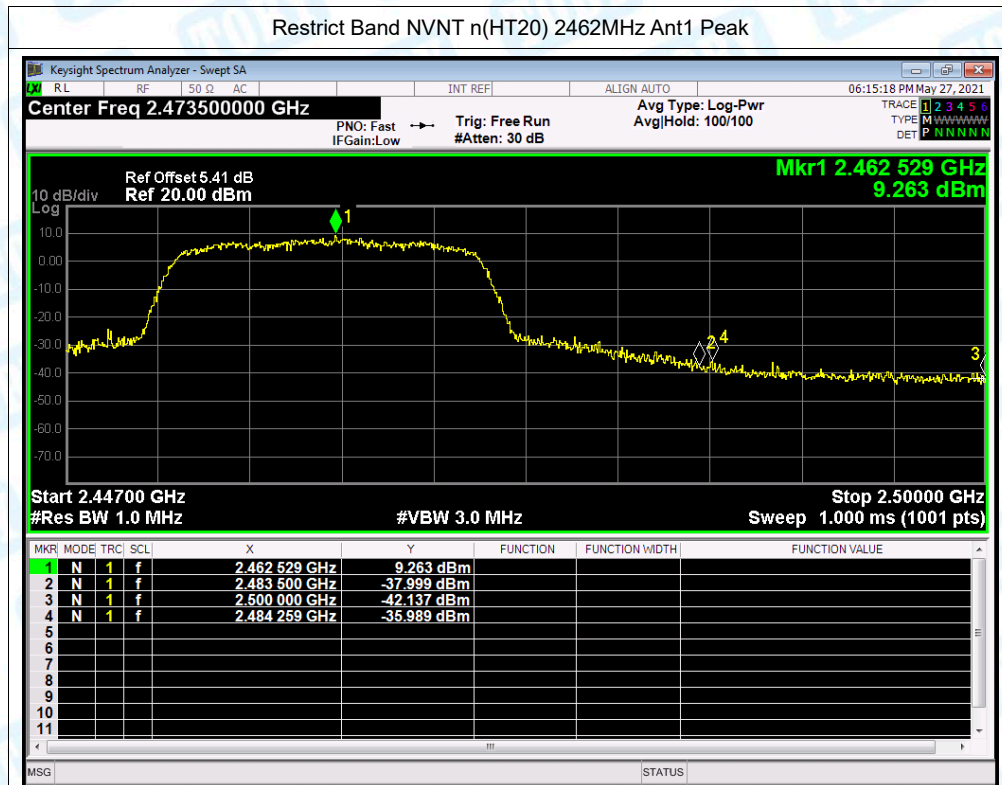






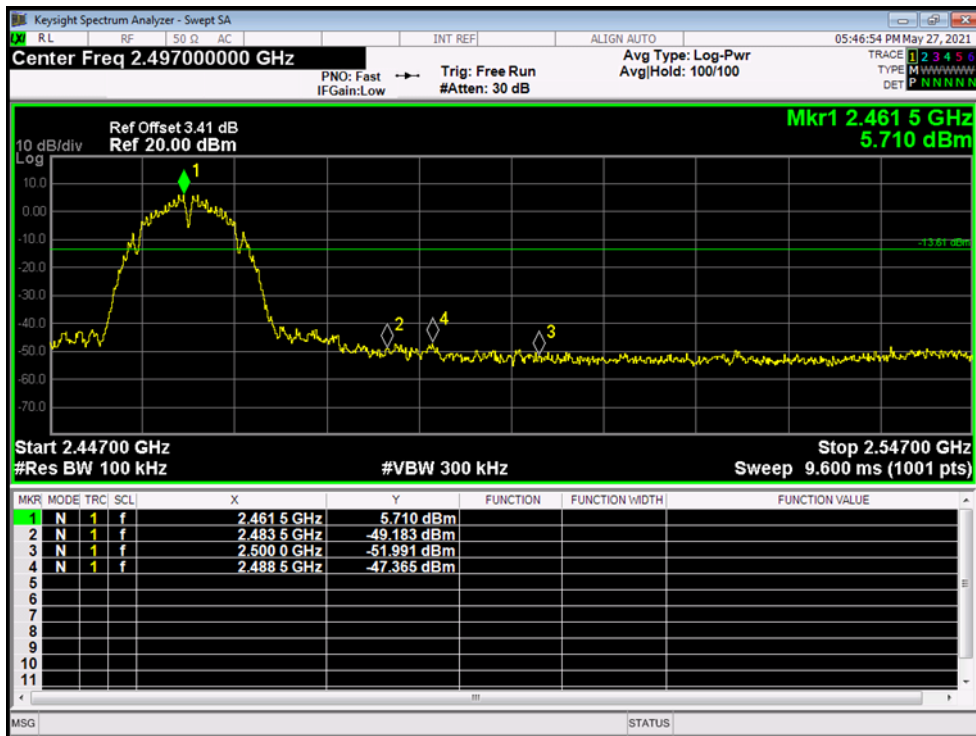
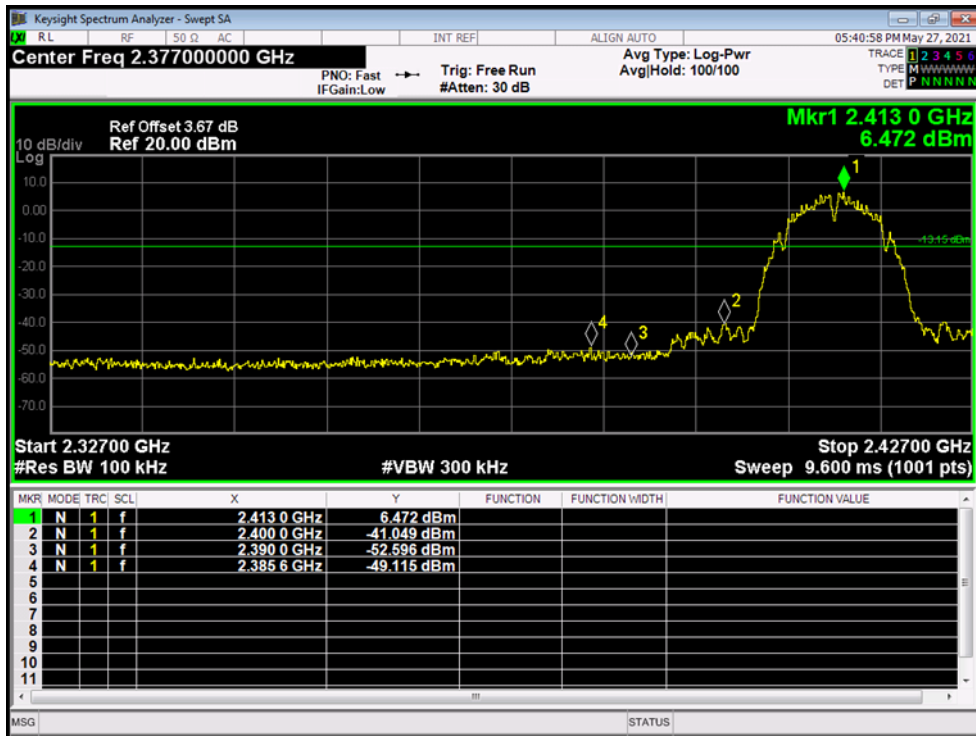




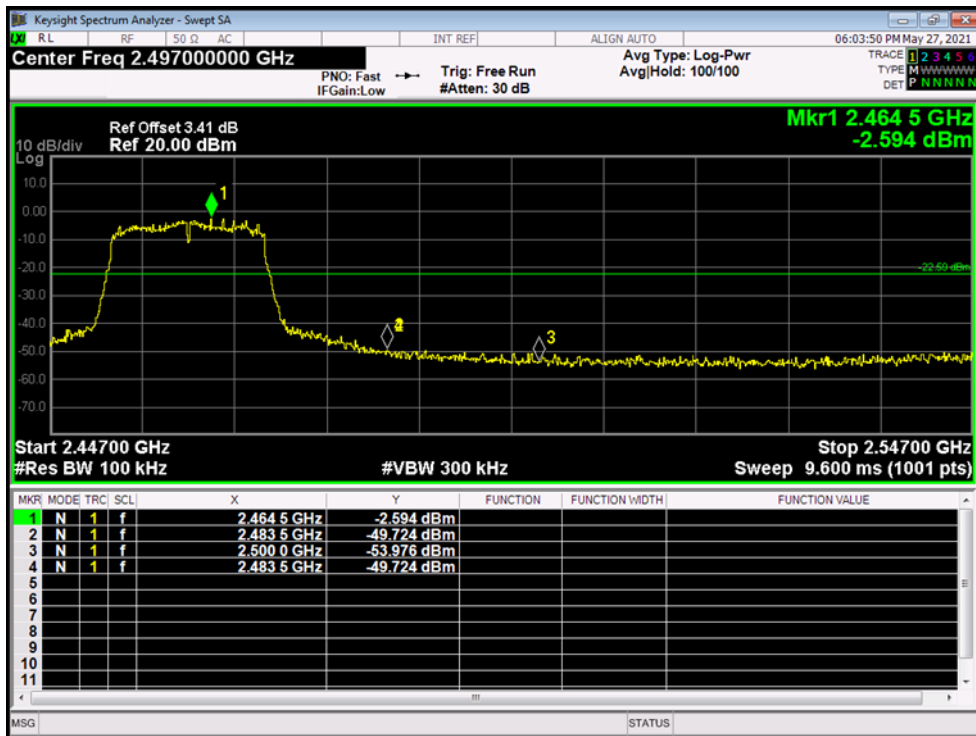
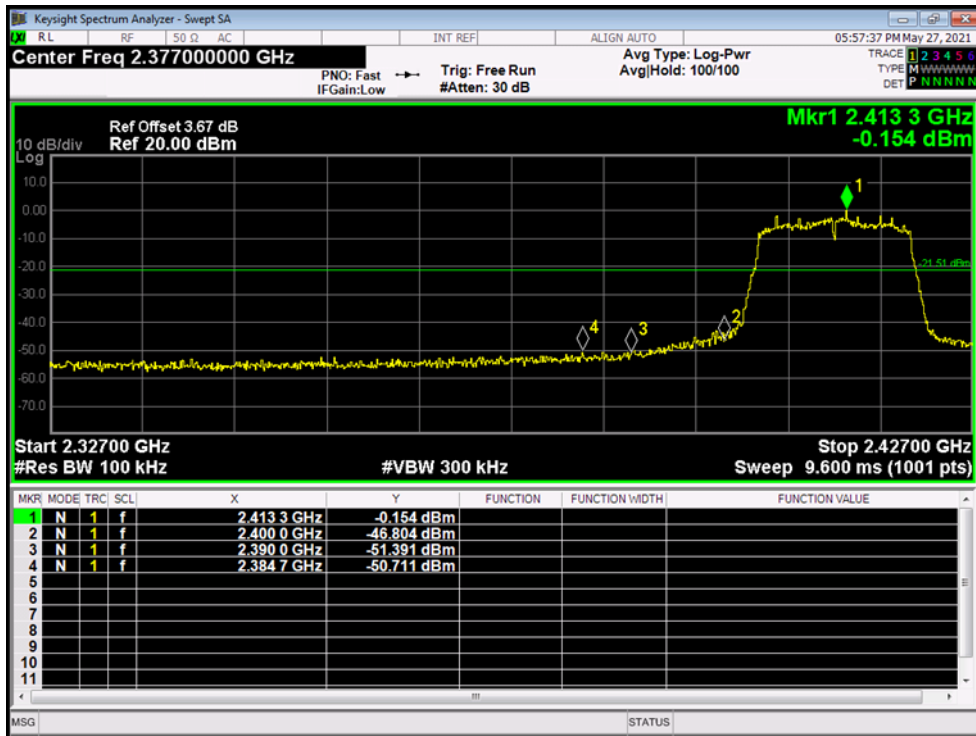


## (1) Conducted Test

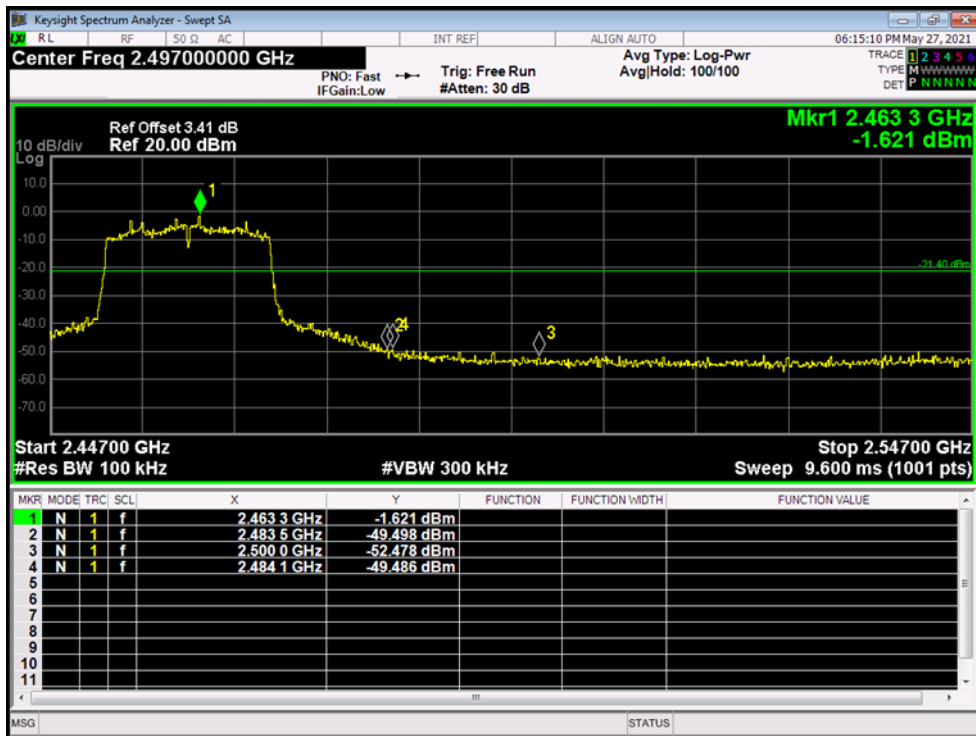
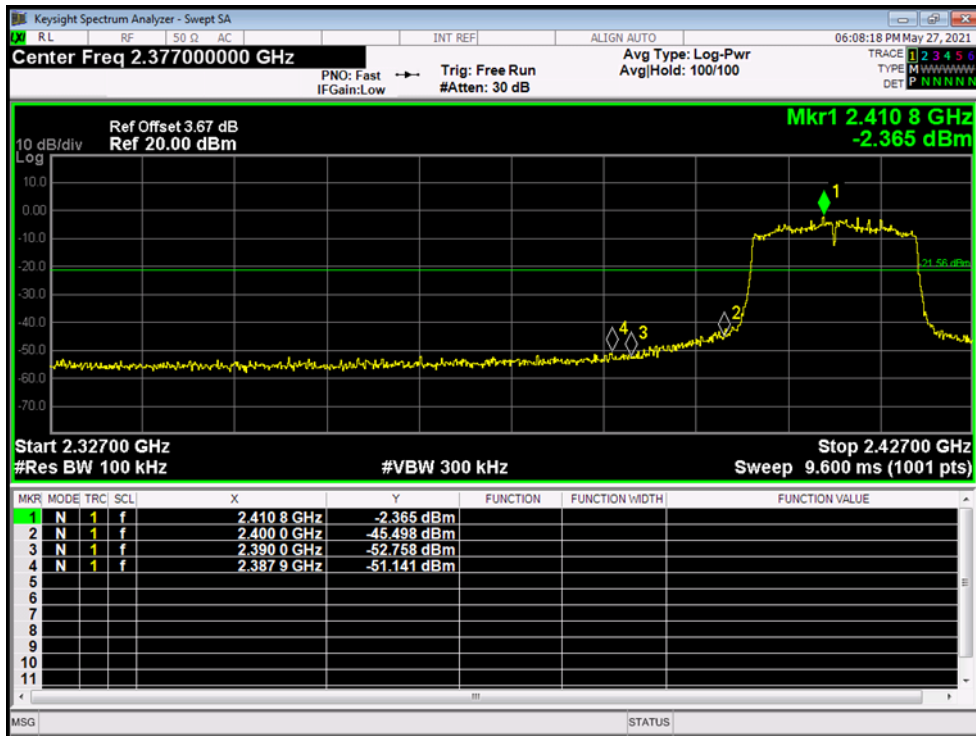
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz		
Test Mode:	TX B Mode 2412MHz / TX B Mode 2462MHz		
Remark:	The EUT is programed in continuously transmitting mode		



Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz		
Test Mode:	TX G Mode 2412MHz / TX G Mode 2462MHz		
Remark:	The EUT is programed in continuously transmitting mode		



Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz		
Test Mode:	TX N(HT20) Mode 2412MHz / TX N(HT20) Mode 2462MHz		
Remark:	The EUT is programed in continuously transmitting mode		

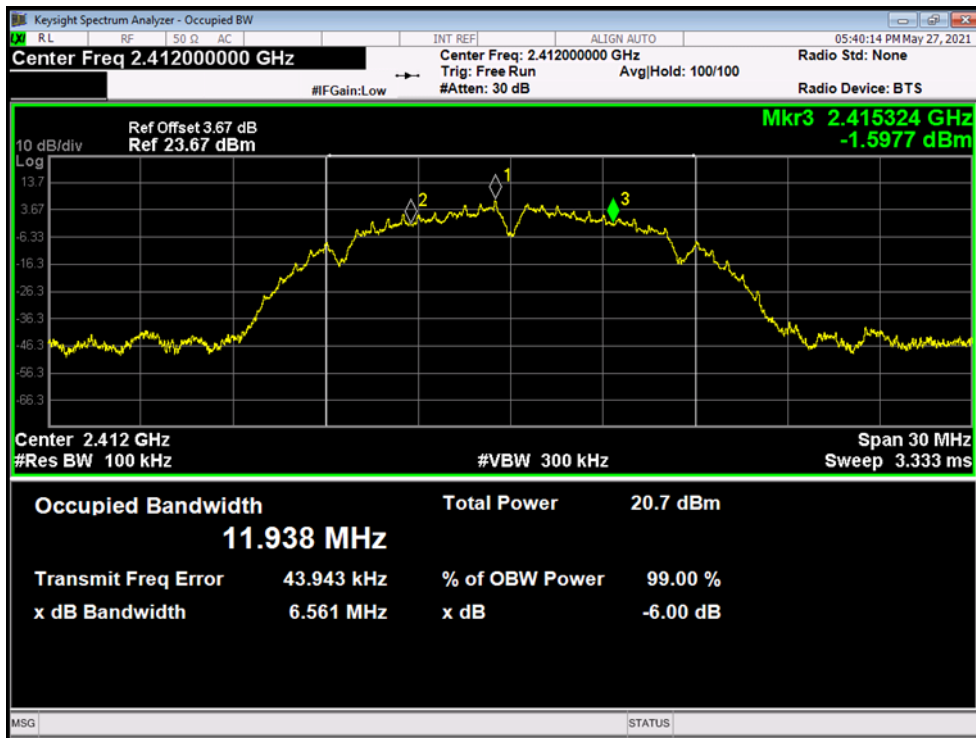


### Attachment D-- Bandwidth Test Data

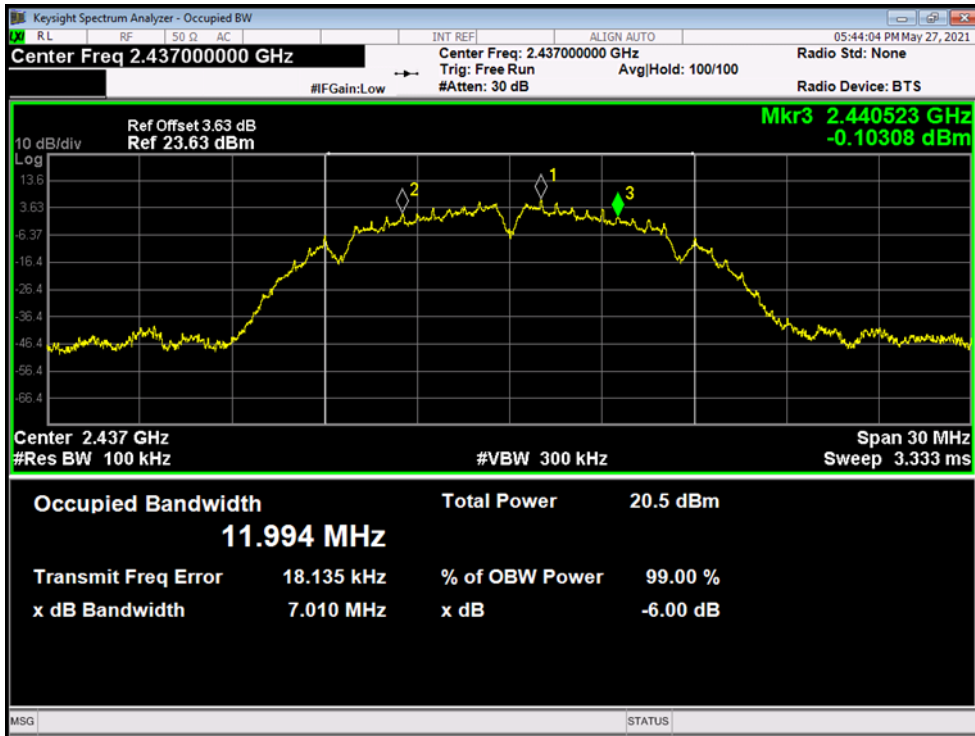
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz		
Test Mode:	TX 802.11B Mode		
Channel frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit (MHz)
2412	6.561	11.938	>=0.5
2437	7.010	11.994	
2462	7.513	12.001	

**802.11B Mode**

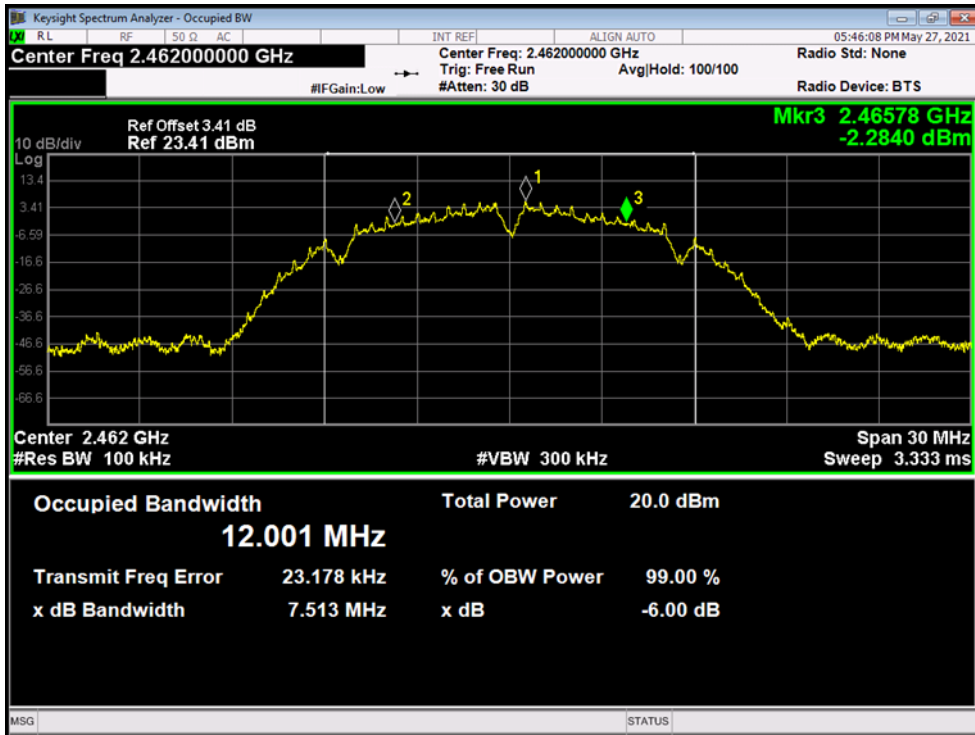
**2412 MHz**



**802.11B Mode**  
**2437 MHz**

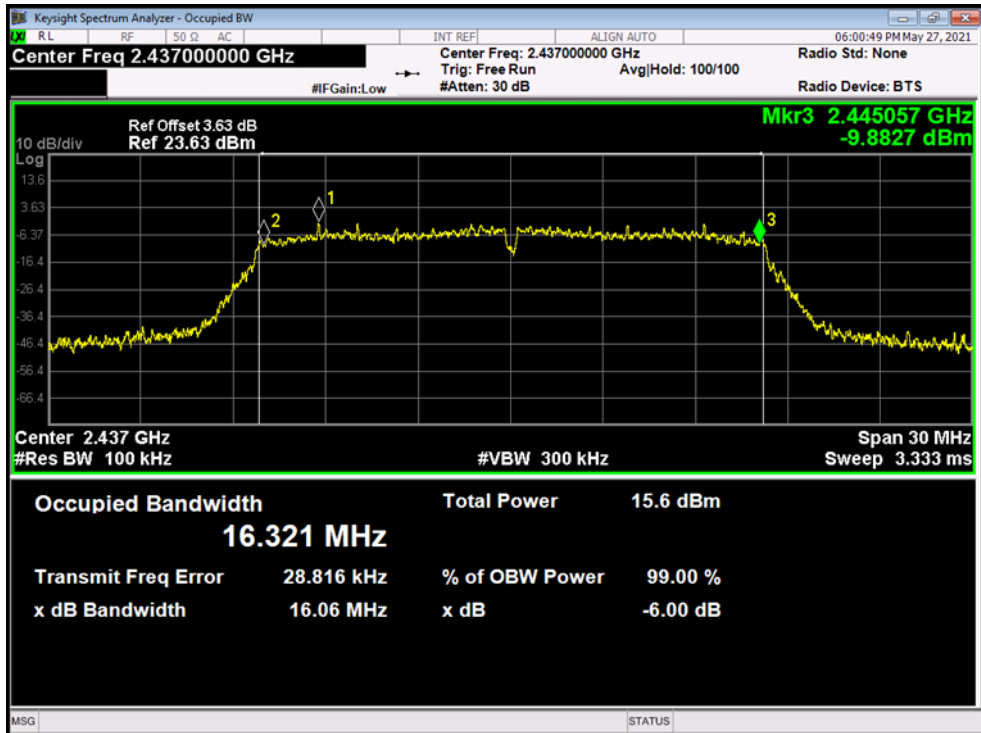


**802.11B Mode**  
**2462 MHz**

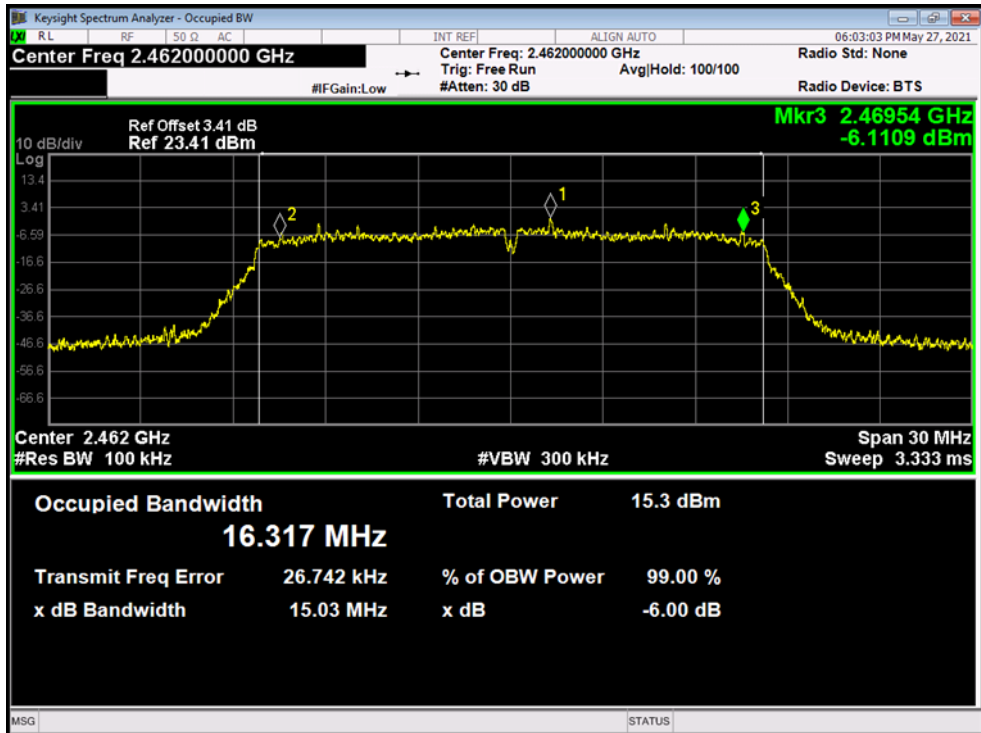


<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%																
<b>Test Voltage:</b>	AC 120V/60 Hz																		
<b>Test Mode:</b>	TX 802.11G Mode																		
Channel frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit (MHz)																
2412	13.83	16.312	≥0.5																
2437	16.06	16.321																	
2462	15.03	16.317																	
<b>802.11G Mode</b>																			
<b>2412 MHz</b>																			
<p>Keysight Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.41200000 GHz</p> <p>Center Freq: 2.41200000 GHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: 100/100</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Ref Offset 3.67 dB</p> <p>Ref 23.67 dBm</p> <p>Mkr3 2.418941 GHz</p> <p>-6.9191 dBm</p> <p>Center 2.412 GHz</p> <p>#Res BW 100 kHz</p> <p>#VBW 300 kHz</p> <p>Span 30 MHz</p> <p>Sweep 3.333 ms</p> <table border="1"> <tr> <td><b>Occupied Bandwidth</b></td> <td><b>Total Power</b></td> <td colspan="2"><b>15.8 dBm</b></td> </tr> <tr> <td><b>16.312 MHz</b></td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>Transmit Freq Error</b></td> <td><b>26.396 kHz</b></td> <td><b>% of OBW Power</b></td> <td><b>99.00 %</b></td> </tr> <tr> <td><b>x dB Bandwidth</b></td> <td><b>13.83 MHz</b></td> <td><b>x dB</b></td> <td><b>-6.00 dB</b></td> </tr> </table>				<b>Occupied Bandwidth</b>	<b>Total Power</b>	<b>15.8 dBm</b>		<b>16.312 MHz</b>				<b>Transmit Freq Error</b>	<b>26.396 kHz</b>	<b>% of OBW Power</b>	<b>99.00 %</b>	<b>x dB Bandwidth</b>	<b>13.83 MHz</b>	<b>x dB</b>	<b>-6.00 dB</b>
<b>Occupied Bandwidth</b>	<b>Total Power</b>	<b>15.8 dBm</b>																	
<b>16.312 MHz</b>																			
<b>Transmit Freq Error</b>	<b>26.396 kHz</b>	<b>% of OBW Power</b>	<b>99.00 %</b>																
<b>x dB Bandwidth</b>	<b>13.83 MHz</b>	<b>x dB</b>	<b>-6.00 dB</b>																

**802.11G Mode**  
**2437 MHz**

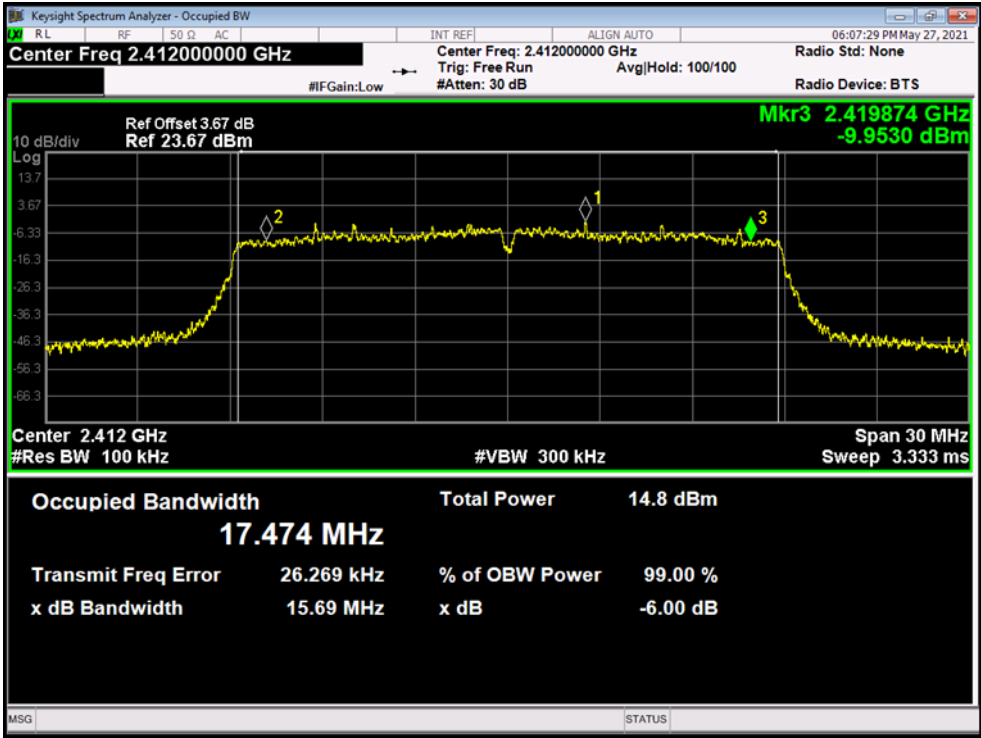


**802.11G Mode**  
**2462 MHz**

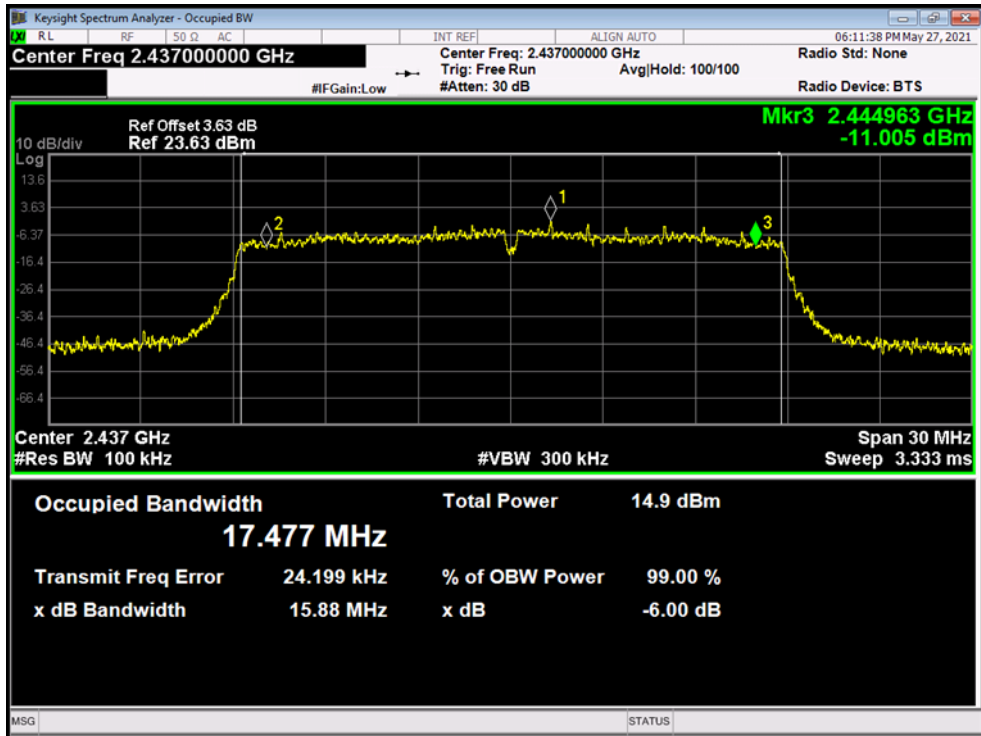


<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	AC 120V/60 Hz		
<b>Test Mode:</b>	TX 802.11N(HT20) Mode		
Channel frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit (MHz)
2412	15.69	17.474	>=0.5
2437	15.88	17.477	
2462	15.96	17.505	
<b>802.11N(HT20) Mode</b>			

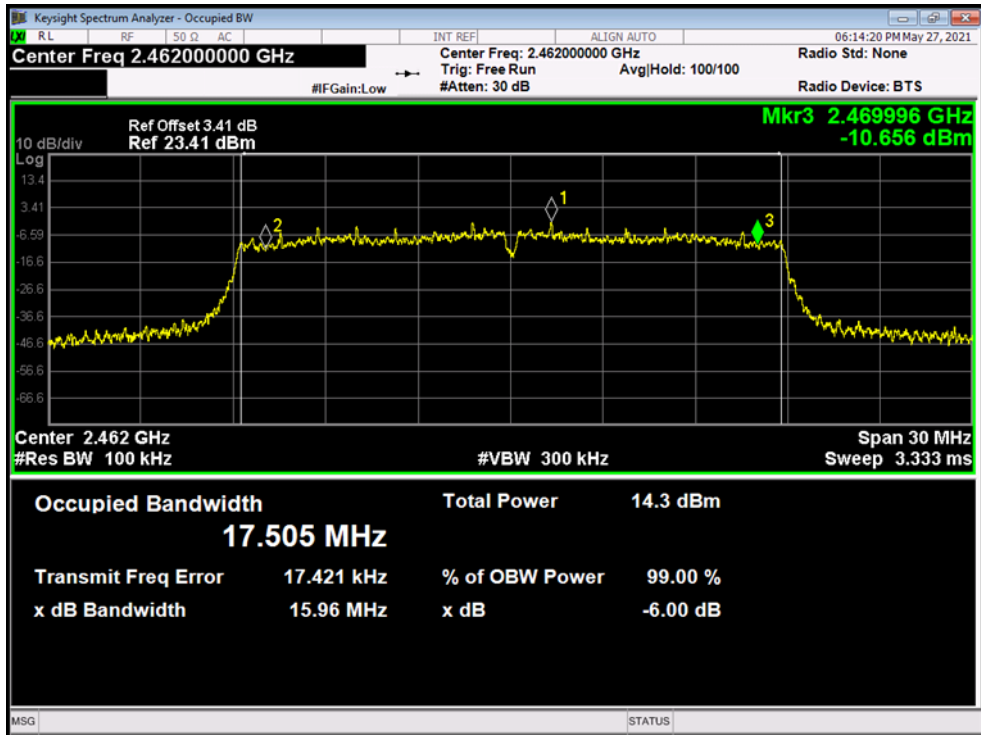
**2412 MHz**



**802.11N(HT20) Mode**  
**2437 MHz**



**802.11N(HT20) Mode**  
**2462 MHz**



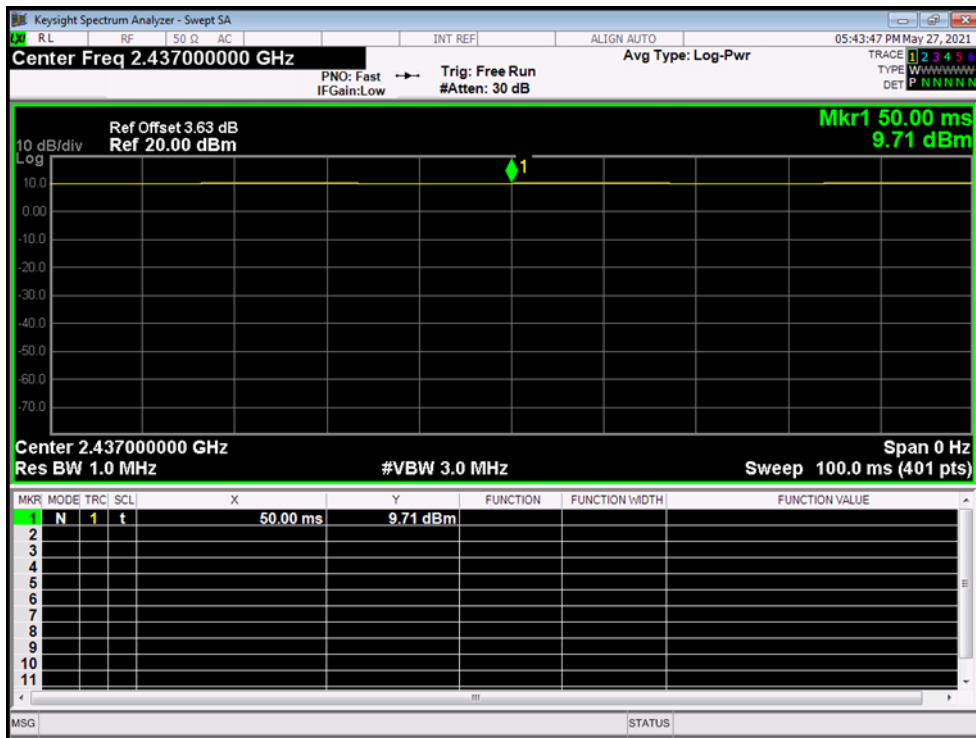
## Attachment E-- Peak Output Power Test Data

<b>Test Conditions:</b>		Continuous Transmitting Mode	
<b>Temperature:</b>		25 °C	<b>Relative Humidity:</b> 55%
<b>Test Voltage:</b>		AC 120V/60 Hz	
Mode	Channel frequency (MHz)	Test Result (dBm)	Limit (dBm)
802.11b	2412	15.844	30
	2437	15.7	
	2462	14.966	
802.11g	2412	14.627	
	2437	14.366	
	2462	13.976	
802.11n (HT20)	2412	13.523	
	2437	13.571	
	2462	13.128	
<b>Result: PASS</b>			

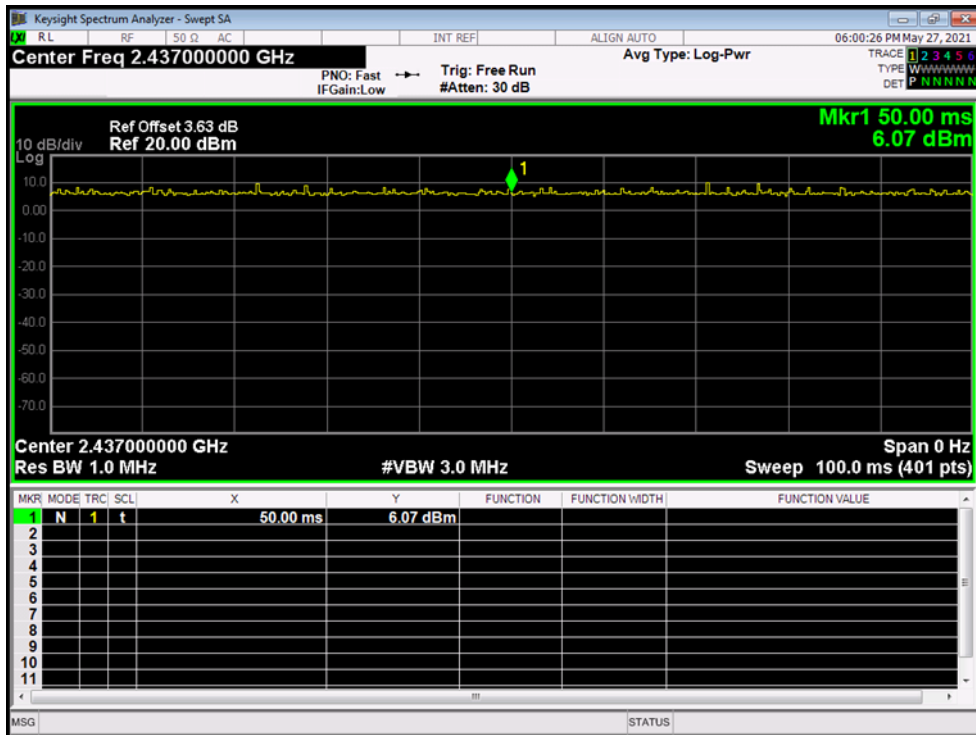
Duty Cycle		
Mode	Channel frequency (MHz)	Test Result
802.11b	2412	>98%
	2437	
	2462	
802.11g	2412	
	2437	
	2462	
802.11n (HT20)	2412	
	2437	
	2462	

Please see below plots

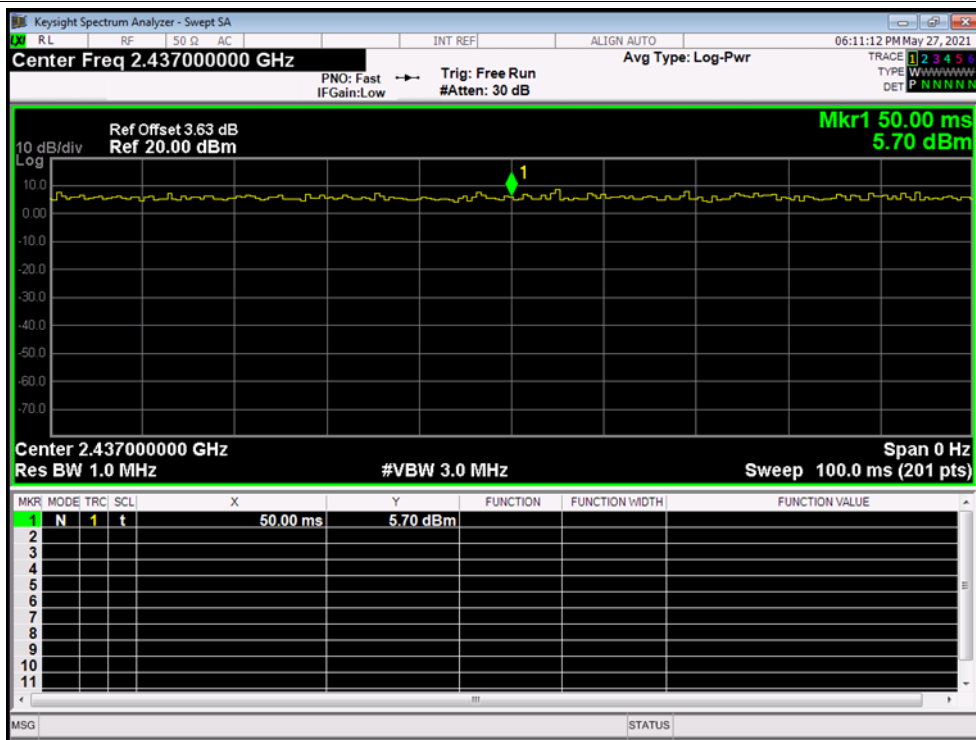
**802.11 B Mode 2437 MHz**



**802.11 G Mode 2437 MHz**



802.11 N20 Mode 2437 MHz

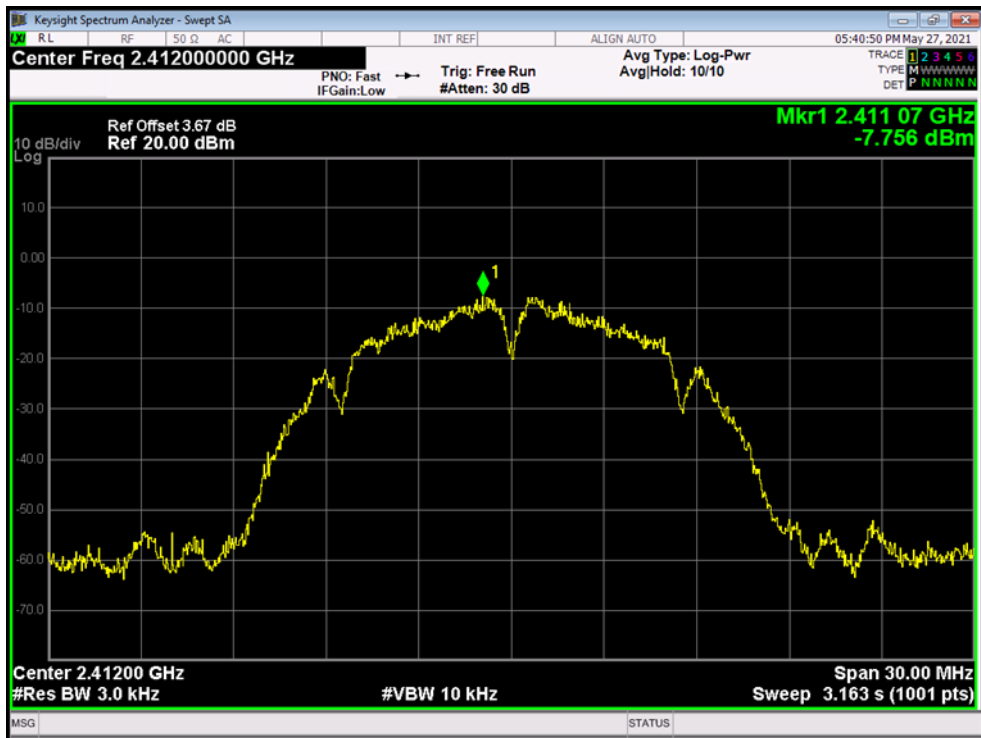


## Attachment F-- Power Spectral Density Test Data

Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz		
Test Mode:	TX 802.11B Mode		
Channel Frequency (MHz)	Power Density (dBm/3 kHz)	Limit (dBm/3 kHz)	
2412	-7.756	8	
2437	-6.776		
2462	-7.117		

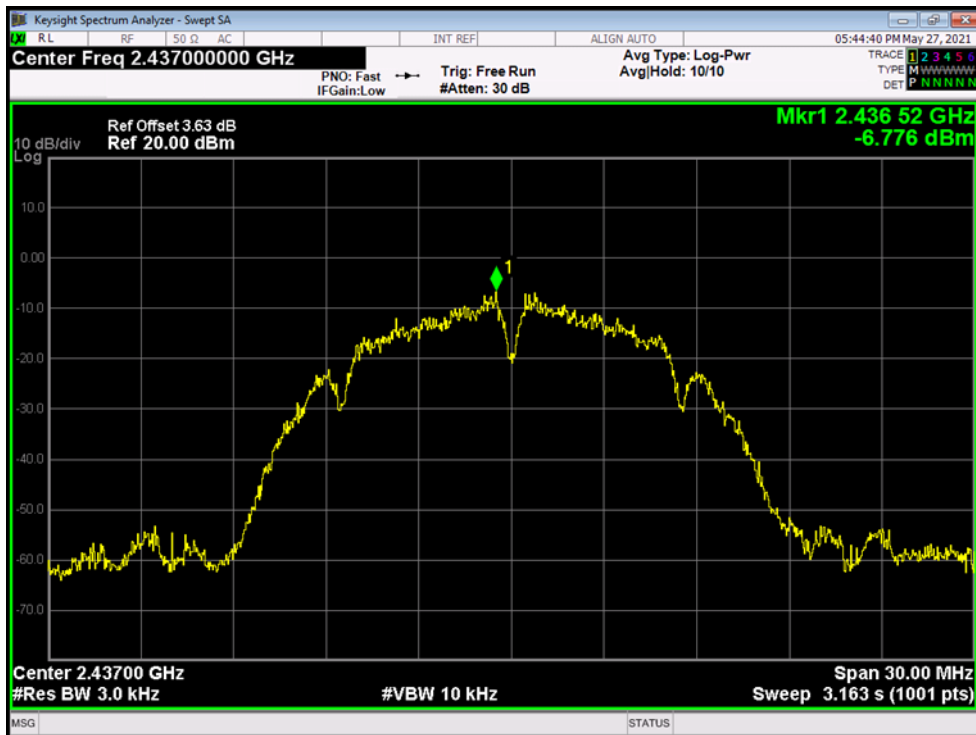
**802.11B Mode**

**2412 MHz**



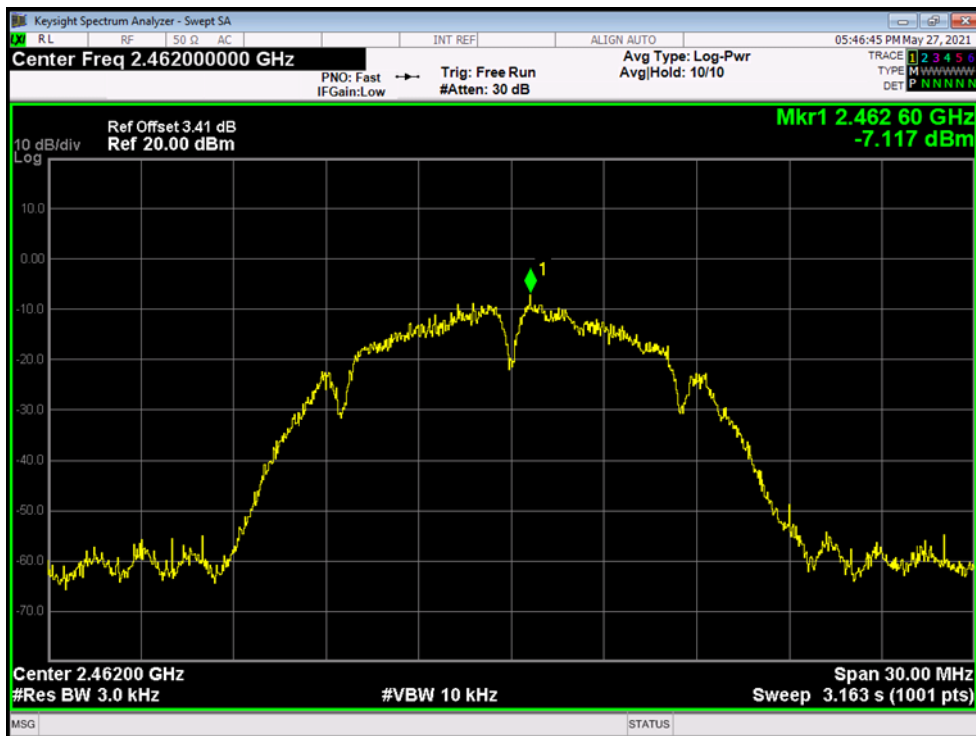
**802.11B Mode**

**2437 MHz**



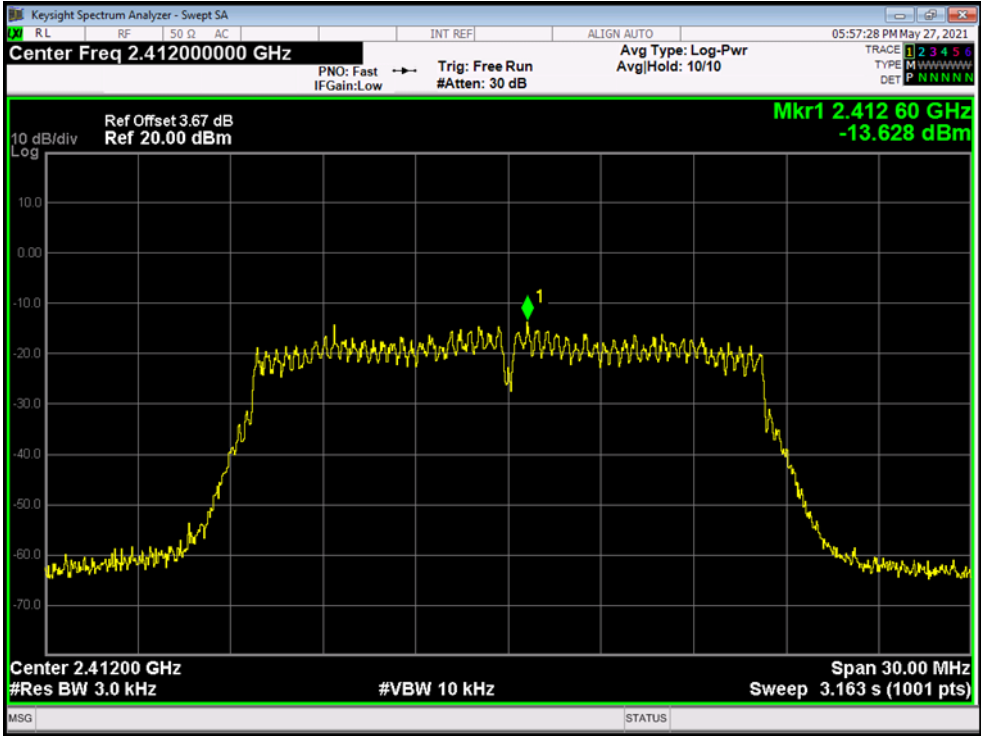
**802.11B Mode**

**2462 MHz**

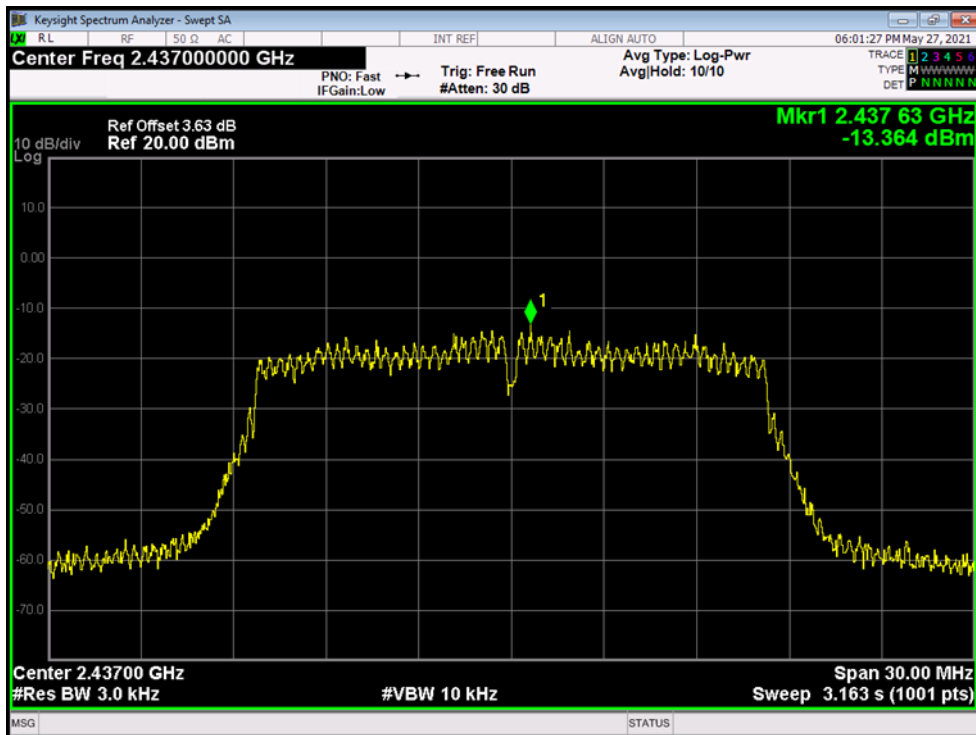


Temperature:	25 °C	Temperature:	25 °C
Test Voltage:	AC 120V/60 Hz		
Test Mode:	TX 802.11G Mode		
Channel Frequency (MHz)	Power Density (dBm/3 kHz)	Limit (dBm/3 kHz)	
2412	-13.628	8	
2437	-13.364		
2462	-14.057		
<b>802.11G Mode</b>			

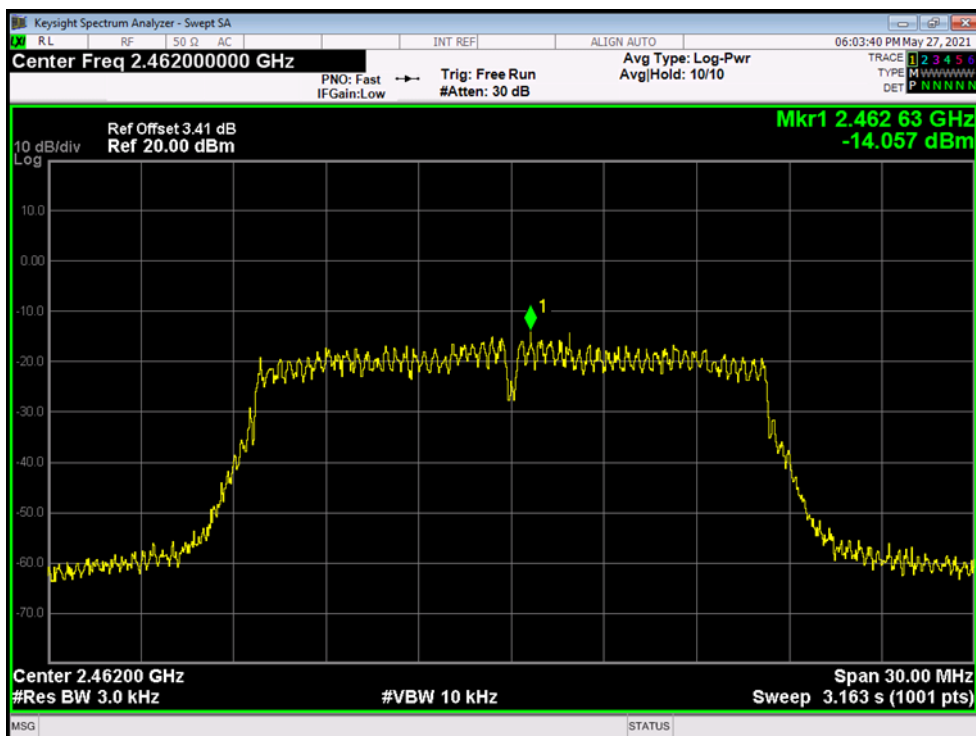
**2412 MHz**



**802.11G Mode**  
**2437 MHz**

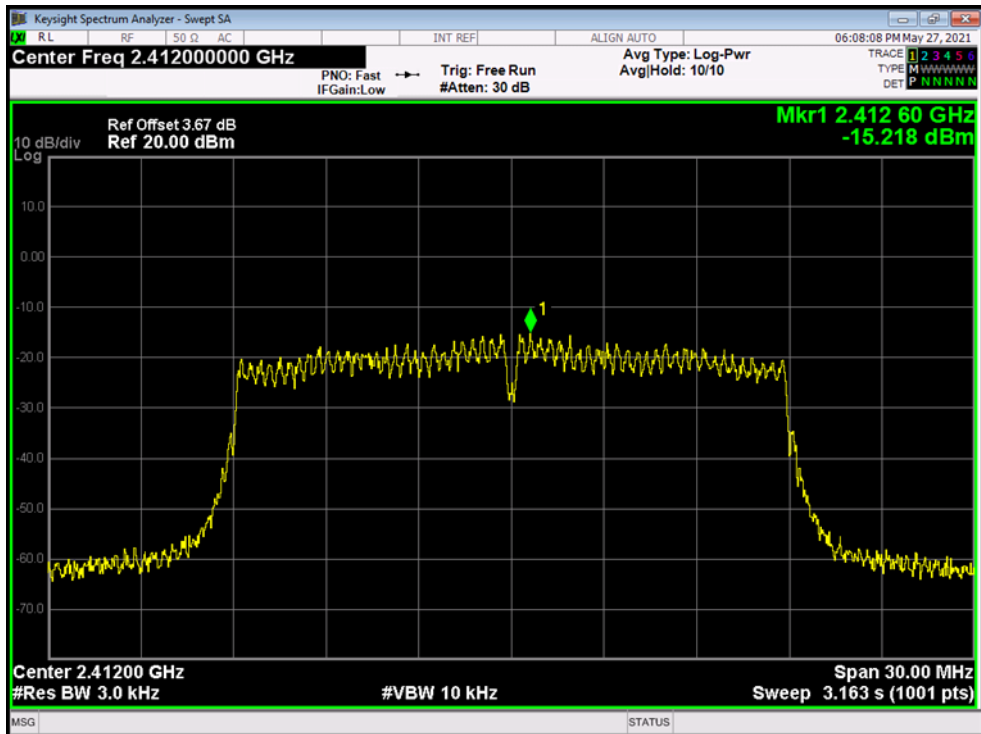


**802.11G Mode**  
**2462 MHz**

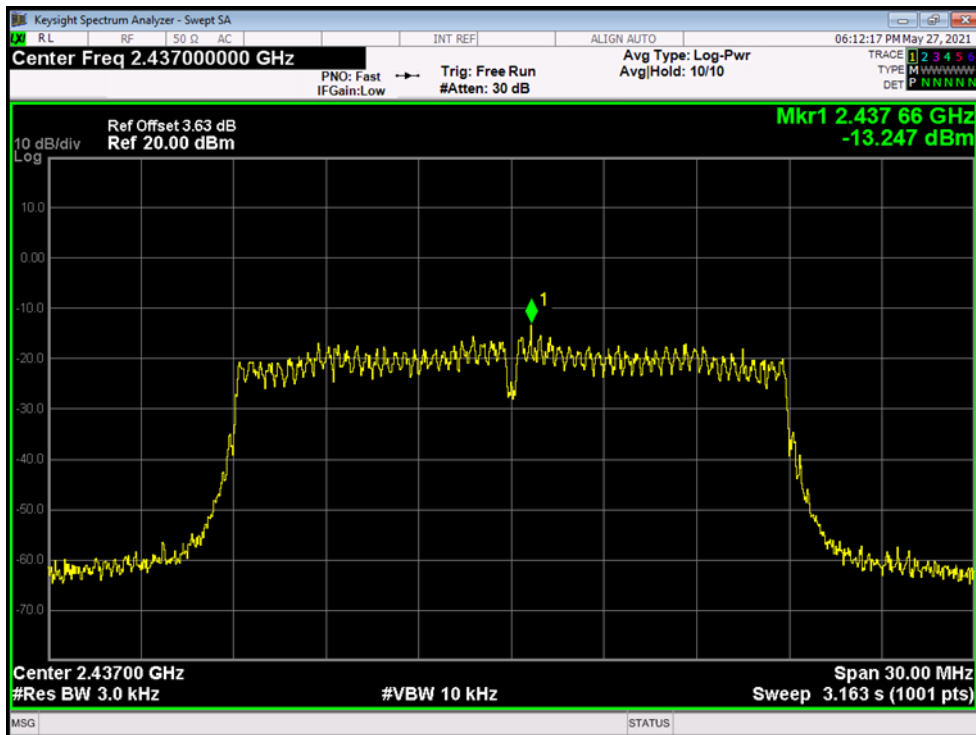


Temperature:	25 °C	Temperature:	25 °C
Test Voltage:	AC 120V/60 Hz		
Test Mode:	TX 802.11N(HT20) Mode		
Channel Frequency (MHz)	Power Density (dBm/3 kHz)	Limit (dBm/3 kHz)	
2412	-15.218	8	
2437	-13.247		
2462	-15.729		
<b>802.11N(HT20) Mode</b>			

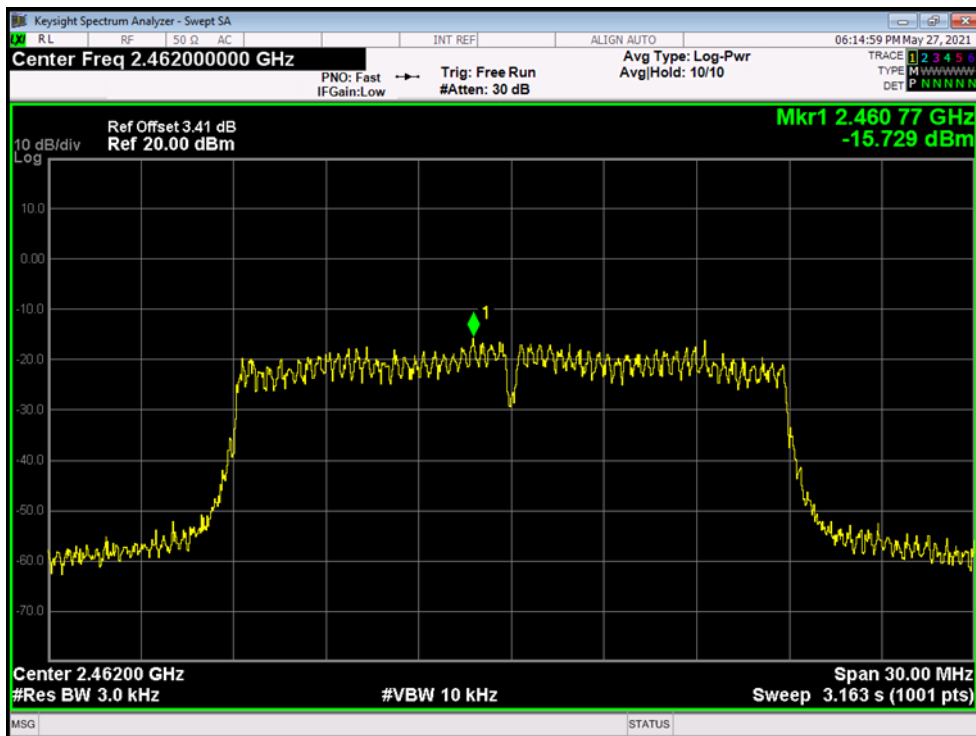
**2412 MHz**



**802.11N(HT20) Mode  
2437 MHz**



**802.11N(HT20) Mode  
2462 MHz**



-----END OF REPORT-----